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**CTD Observations in the Great South Channel During the
South Channel Ocean Productivity EXperiment, SCOPEX,
May-June 1989**

by

Richard Limeburner and Robert C. Beardsley

November 1989

Technical Report

Funding was provided by the National Science Foundation
through Grant Number OCE-87-13988

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CTD OBSERVATIONS IN THE GREAT SOUTH CHANNEL
DURING THE SOUTH CHANNEL OCEAN PRODUCTIVITY EXPERIMENT,
SCOPEX,
MAY - JUNE 1989

Abstract

CTD and acoustic Doppler current profiler (ADCP) observations were made in the Great South Channel (GSC) off the New England coast during R/V *Endeavor* cruise EN196 May 18 to June 12, 1989 as part of the South Channel Ocean Productivity EXperiment (SCOPEX). These observations were obtained using several sampling plans — a series of small-scale surveys in support of biological sampling and a large-scale survey of five cross-channel transects extending from Nantucket Shoals and the coast of Cape Cod to Georges Bank. The maximum sampling depth at each station was within a few meters of the bottom.

The primary objectives of the hydrographic measurement program were to a) observe and characterize the temperature, salinity, density, oxygen, fluorescence and light transmission fields and their spatial variability in the Great South Channel off the New England coast, (b) resolve the low salinity surface plume-like structure usually observed east of Cape Cod in late spring, (c) define the front or boundary between the vertically well-mixed water over Nantucket Shoals, the GSC, Georges Bank, and the stratified water in the deeper southwestern Gulf of Maine, and (d) characterize water properties in regions of enhanced biological productivity. This report presents a summary in graphic and tabular form of the hydrographic observations made during cruise EN196 on the R/V *Endeavor*.

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1. Introduction

The South Channel Ocean Productivity EXperiment (SCOPEX) is a multidisciplinary and multi-institutional program to investigate springtime aggregations of right whales near the Great South Channel (GSC) off the New England coast, and the interactions between these whales and their main prey, the copepod *Calanus finmarchicus*. The right whale is an endangered species, with only a few hundred individuals left in the northwestern Atlantic population. Each spring, for at least the last ten years, almost the entire population of right whales has been present for about a month in a small area at the southern end of the Gulf of Maine (GOM) just north of the GSC. The SCOPEX program seeks to understand this phenomenon, as well as the broader issues of ecosystem "hot spots" and the implications of patchiness for trophic transfer. The purpose of the SCOPEX 1989 field program was to study whale/plankton/environment interactions, especially whale behavior in relation to copepod distributions, copepod aggregations and their structure and causes, primary and secondary production, and the role of currents and hydrography in forming and maintaining the aggregations.

Our basic underlying hypothesis is that right whales congregate in this limited area each spring because of unusually dense concentrations of their copepod food. Three sub-hypotheses concerning the causes of the copepod aggregations have been developed. The advection hypothesis states that the interaction between the water flow (especially the regional circulation and vertical stratification) and the behavior of the copepods (especially their vertical migration and depth preferences) passively concentrates the copepods. The productivity hypothesis states that the high copepod abundance is caused by a regional elevation of primary production and a response up the food chain. The innate behavior hypothesis is that a species-specific social behavior, such as swarming, creates the copepod aggregations. These hypotheses are not mutually exclusive, and it seems likely that elements of each may contribute to the observed phenomenon in the GSC. One particular mechanism suggested by the 1989 field observations is that the subduction of surface water carrying copepods beneath another water mass also containing copepods combined with a tendency for the copepods to migrate vertically back toward the surface can lead to high copepod concentrations near the surface front.

In order to examine these hypotheses, a coordinated field program involving two research vessels and an aircraft was conducted in the Great South Channel region during May and June, 1989. The aircraft and the R/V *Marlin* were used primarily to locate right whales in the GSC area and study their behavior while the R/V *Endeavor* was used to obtain environmental measurements both near the whales and on larger scales

within the GSC. These measurements included hydrographic and current profiling with a CTD and an acoustic Doppler current profiler (ADCP) respectively, acoustic profiling for zooplankton distribution and biomass with a towed 150 and 200 KHz acoustic fin, and biological sampling with MOCNESS (a multiple opening and closing environmental sampling system) and other towed nets.

We present here in graphic and tabular form a preliminary analysis of the CTD observations made in the GSC on board the R/V *Endeavor* during cruise EN196 May 18 to June 12, 1989. This cruise was split into three legs and the hydrographic observations were obtained using a wide variety of sampling plans, ranging from single stations in support of biological sampling to both shallow and deep tow-yos near feeding whales to one quasi-synoptic regional CTD/ADCP survey. A total of 207 CTD stations was made on EN196, and the following station summary is intended to provide a brief description of the sequence of CTD sampling during the cruise. Vertical and horizontal sections of water properties obtained from the regional CTD survey on Leg 3 June 7 to 12 are shown in Section 7. Listings of the CTD observations at standard depths for all stations are given in Section 8.

CTD STATION LISTING SUMMARY

Leg 1 — May 18–30, 1989

Stations 1–23 — May 18–21. Initial mesoscale survey of the south-central and western flank of the GSC with an acoustic fin to determine if a surface freshwater plume was present and to map the initial distribution of zooplankton.

Stations 24–26 — May 21. Short CTD/MOCNESS section east of Cape Cod through the freshest part of the surface freshwater plume.

Stations 27–37 — May 22. Small-scale acoustic survey (rectangular grid with CTD stations at corners) in the southeastern GSC in the general vicinity of concurrent right whale sightings.

Stations 38–46 — May 22–23. 24 hour time series (diel station 1) to study variability in the center of the whale sighting area in the southeastern GSC. CTD stations every 3 hrs at the central site, some additional CTD stations made in connection with MOCNESS tows. CTD station 45 (Tow-yo 1) includes 22 casts made between the surface and 50 m.

Stations 47-57 — May 24. Combined CTD/MOCNESS east/west transect extending through the right whale area toward Georges Bank to examine day/night variations.

Stations 58-76 — May 24-25. Small-scale acoustic survey (rectangular grid with CTD stations at corners) in southeastern GSC.

Stations 77-86 — May 26. Combined CTD/MOCNESS transect across southern GSC through a tidal front onto Nantucket Shoals.

Stations 87-97 — May 26-27. 24 hr time series (diel station 2) to study variability in south-central GSC. CTD stations made every 3 hrs at central site with associated net tows, and some additional CTD stations made with MOCNESS tows. CTD station 93 (Tow-yo 2) includes 12 casts made between the surface and 60 m. CTD station 95 (Tow-yo 3) includes 6 casts made between 70 and near bottom and 3 casts between surface and 60 m.

Stations 98-104 — May 28. Combined CTD/MOCNESS cross-isobath transect on the western flank of GSC through tidal front.

Stations 104-111 — May 28-29. Shortened time series (diel station 3) of three hourly CTD and net tows to study variability in western GSC. Made several additional CTD/MOCNESS stations, including three 3 stations (106, 110, and 111) to examine deep increase in near-bottom fluorescence.

Station 112 — May 29. Single cast made before deep MOCNESS in area of whale sightings in southeastern GSC.

Station 113 — May 29. CTD station 113 (Tow-yo 4) includes 14 casts from surface to about 60 m. CTD fish #1 lost.

Station 114 — May 30. First cast with fish #2 showed noisy 6500 db transducer.

Leg 2 — May 30-June 6, 1989

Station 115 — May 30. Trial cast made to test fish #2 with a new 1600 db transducer and backup transmissometer and fluorometer. Pressure and fluorometer data ok, but transmissometer not working correctly. Replaced this unit with K. Wishner's transmissometer normally mounted on the URI MOCNESS.

Station 116 — June 1. Single CTD station made at the end of 6 hr small-scale acoustic fin survey (multiple triangular grid) in the center of whale aggregation.

Stations 117-118 — June 1. Stations made near 41°41' N, 68°41' W while monitoring nighttime vertical migration with MOCNESS and acoustic fin.

Stations 119-127 — June 2. 24 hr time series (diel station 4) to study variability in the center of whale sighting area in southeastern GSC. CTD stations made about every 3 hr at central site near 41°27' N, 68°50' W.

Stations 128-136 — June 2-3. CTD stations made during 7 hr small-scale acoustic fin survey (multiple triangular grid) near 41°25' N, 68°47' W in center of recent whale sighting area. Also made 11 XBT drops to help quickly document thermal structure during survey. CTD station 136 made at end of acoustic fin transect onto shallow flank of Little Georges within the sea surface temperature front.

Stations 137-138 — June 3. CTD stations made at beginning and end of westward acoustic fin transect between 41°39' N, 68°24' W in 21 m within SST front on Georges Bank and 41°39' N, 68°35' W.

Station 139 — June 3. CTD station 139 (Tow-yo 5) made 16 casts to about 60 m and last cast to about 120 m (water depth 132 m) while following whale surface feeding. Acoustic fin and MOCNESS data also collected during Tow-yo 5.

Station 140 — June 3. CTD station 140 (Tow-yo 6) made 21 casts to about 60 m and last cast to 136 m (water depth 158 m) while following whale feeding both at surface and just below surface. Acoustic fin and MOCNESS data also collected during tow-yo.

Stations 141-147 — June 4-5. CTD and net tows made every 3 hrs (diel station 5) to monitor variation near 42°02' N, 69°41' W on northwestern flank of GSC.

Station 148 — June 6. CTD station 148 made 11 casts to about 50 m to study surface slicks and internal wave packet observed on radar in general vicinity of feeding whale near 41°30' N, 68°57' W. Acoustic fin data showed zooplankton advected vertically by internal waves.

Leg 3 — June 7-12, 1989

Stations 149-207 — June 7-12. 5 transects made with recovered CTD fish #1.

2. Instrumentation and Calibration

A Neil Brown Instrument Systems (NBIS) model MKIII CTD fish was used as the primary profiling instrument during R/V *Endeavor* cruise EN196. The instrument provided continuous sampling of temperature, conductivity, pressure, oxygen, fluorescence and light transmission. Salinity and density were subsequently derived from the measured variables. The instrument package consisted of the MKIII CTD underwater unit mounted one meter below a General Oceanics rosette sampler with 12 five-liter Niskin bottles. A Sea Tech 25 cm pathlength transmissometer and a Sea Tech fluorometer were mounted near the CTD fish. The fast response thermistor on the CTD fish was disabled and the instrument sampled at a rate of 32 hz. Lowering speeds were approximately 36 m/min to match the response times of the temperature and conductivity sensors (Giles and McDougall, 1986).

The CTD underwater unit is part of the R/V *Endeavor*'s scientific equipment. Water samples were normally collected at each station on the up cast at a depth where the vertical stratification was minimal. The calibration samples were then processed onboard during the cruise using a Guildline AutoSal salinometer to determine salinity. The individual salinities were converted to *in situ* conductivity and compared to the conductivity output of the instrument.

The primary CTD underwater unit (fish #1) was lost at station 113 on Leg 1 and a second underwater unit (fish #2) was used on the rest of Leg 1 and on Leg 2 at stations 114 to 147. The original CTD underwater unit was recovered with a grapnel bar near the end of Leg 2, found to be undamaged and was used on Leg 3 at stations 149 to 207. For Leg 1, a least-squares fit of the difference between the bottle and instrument conductivity gives

$$C(BOTTLE) - C(CTD) = -0.0000726031 * X - 0.0121143$$

where X is the station number which varied from 1 to 112, and the sum of the squares of the residuals is 0.0121 mmho². This means that the CTD conductivity sensor drift and offset were small during the cruise and that the rms difference between the corrected CTD and bottle conductivity values was ± 0.010 mmho.

For Leg 2, a least-squares fit of the difference between the bottle and instrument conductivity gives

$$C(BOTTLE) - C(CTD) = -0.00016083 * X - 0.008097$$

where X is the station number which varied from 114 to 147, and the sum of the squares of the residuals is 0.00091 mmho². The rms difference between the corrected CTD and bottle conductivity values was ± 0.006 mmho.

For Leg 3, a least-squares fit of the difference between the bottle and instrument conductivity gives

$$C(BOTTLE) - C(CTD) = -0.000264601 * X - 0.0406355$$

where X is the station number which varied from 149 to 207, and the sum of the squares of the residuals is 0.00214 mmho². The rms difference between the corrected CTD and bottle conductivity values was ± 0.007 mmho. The CTD conductivity for the entire cruise has been edited using the linear regression corrections given above.

A new Sea Tech transmissometer was used on Legs 1 and 3 and the data is given here as a percent of full scale. On Leg 2, a backup light transmissometer did not function properly at station 114 and a third transmissometer (which normally was mounted on the URI MOCNESS) was used at stations 115–147. This instrument used on Leg 2 had a full scale output which was reduced by 7% from the instrument used on Legs 1 and 3. The transmissometer data listed here for Leg 2 have not been adjusted for this difference, but simply left in terms of percent full scale. Both fluorometers had been recently calibrated and the fluorescence data obtained on EN196 are given as a percent of full scale.

3. Data Processing

The CTD data were recorded at sea with a PC-based data acquisition system written by Howard Saklad of the University of Alaska, Institute of Marine Science. The program acquires the raw CTD data at 32 hz, displays the data in real time, postcast data averages, and prints lists of data at each station. Normally, only the down profile is processed at sea. During post cruise data processing, the conductivity calibration was

first applied to the raw data. Then an exponential recursive filter (Middleton and Foster, 1980) described by Cox was applied to pressure and conductivity to match the amplitude and phase of the platinum temperature sensor. The Cox filter has the form

$$c'(t) = w_0 c'(t - dt) + (1 - w_0) c(t),$$

where $c'(t)$ is the filtered conductivity at time t , $c'(t - dt)$ is the previous filtered conductivity, and $c(t)$ is the original unfiltered conductivity at time t . The filter weight is given by

$$w_0 = e^{-dt/tlag}$$

where $dt = .032$ sec is the sampling period, and $tlag = .235$ sec is the time lag of the platinum temperature sensor. A uniform pressure series of 1 db interval was then created from the filtered data, after spurious data observations (spikes) had been replaced with interpolated data. Salinity was calculated using Lewis (1980) and a value of 42.914 was used to convert to conductivity ratio (Culkin and Smith, 1980).

4. Data Presentation

The hydrographic data collected on Leg 3 as part of the regional CTD/ADCP survey are shown in the form of vertical sections, T/S correlations and horizontal sections in Section 7. The CTD data collected on all three legs of EN196 are shown in Section 8 as vertical profiles and tabular lists at graduated depths.

5. Acknowledgments

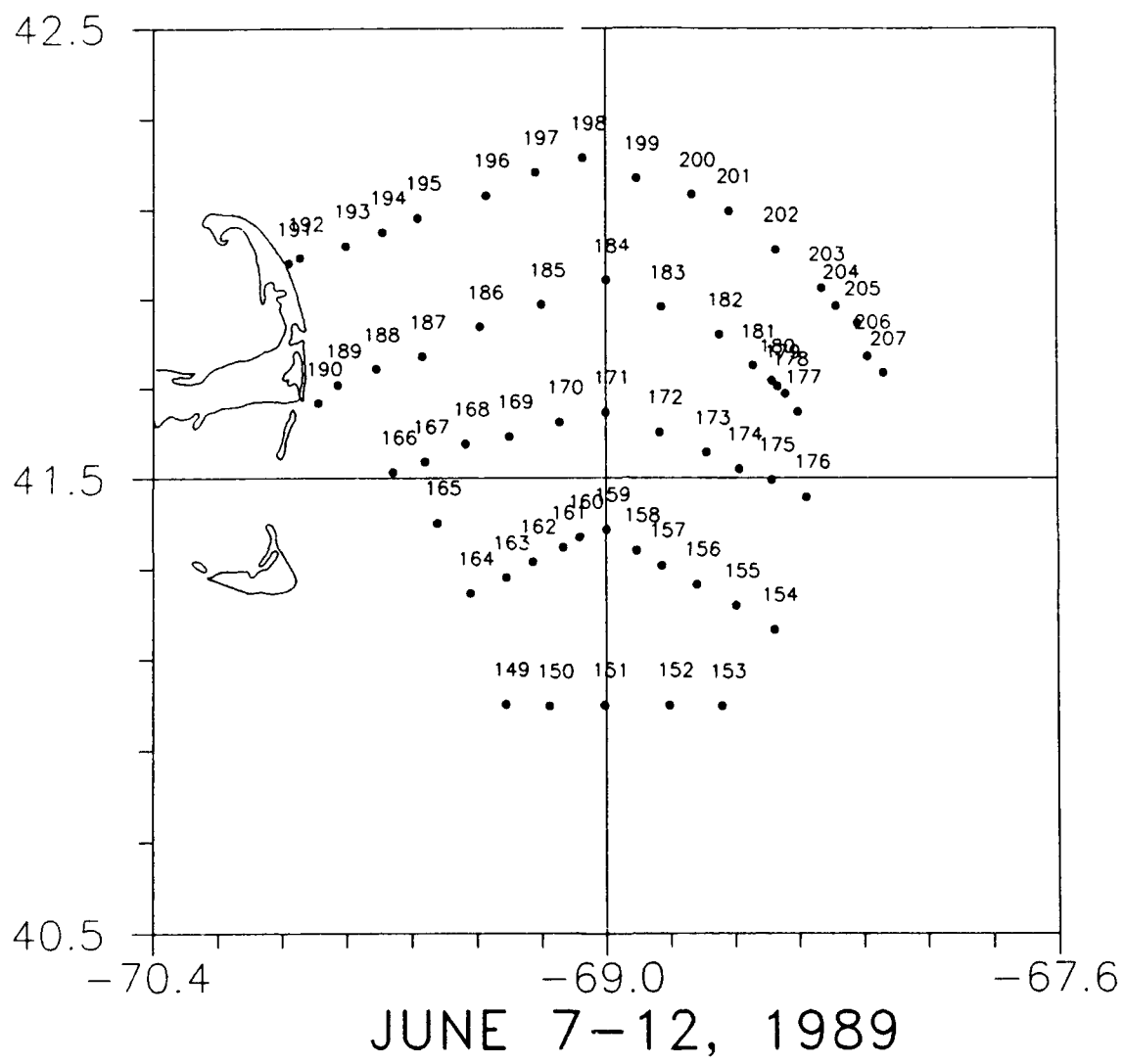
Cruise EN196 on the R/V *Endeavor* was supported by the NSF Grant OCE87-13988. Dr. Karen Wishner was the Chief Scientist on the multidisciplinary cruise. The work was a cooperative effort by R. Beardsley, R. Limeburner, C. Hilliard, K. Wishner, E. Durbin, A. Durbin, J. Schoenherr, J. Szlag and B. Fanning. Their assistance is greatly appreciated. Finally, the helpfulness of the officers and crew of the R/V *Endeavor* contributed significantly to the success of the cruise.

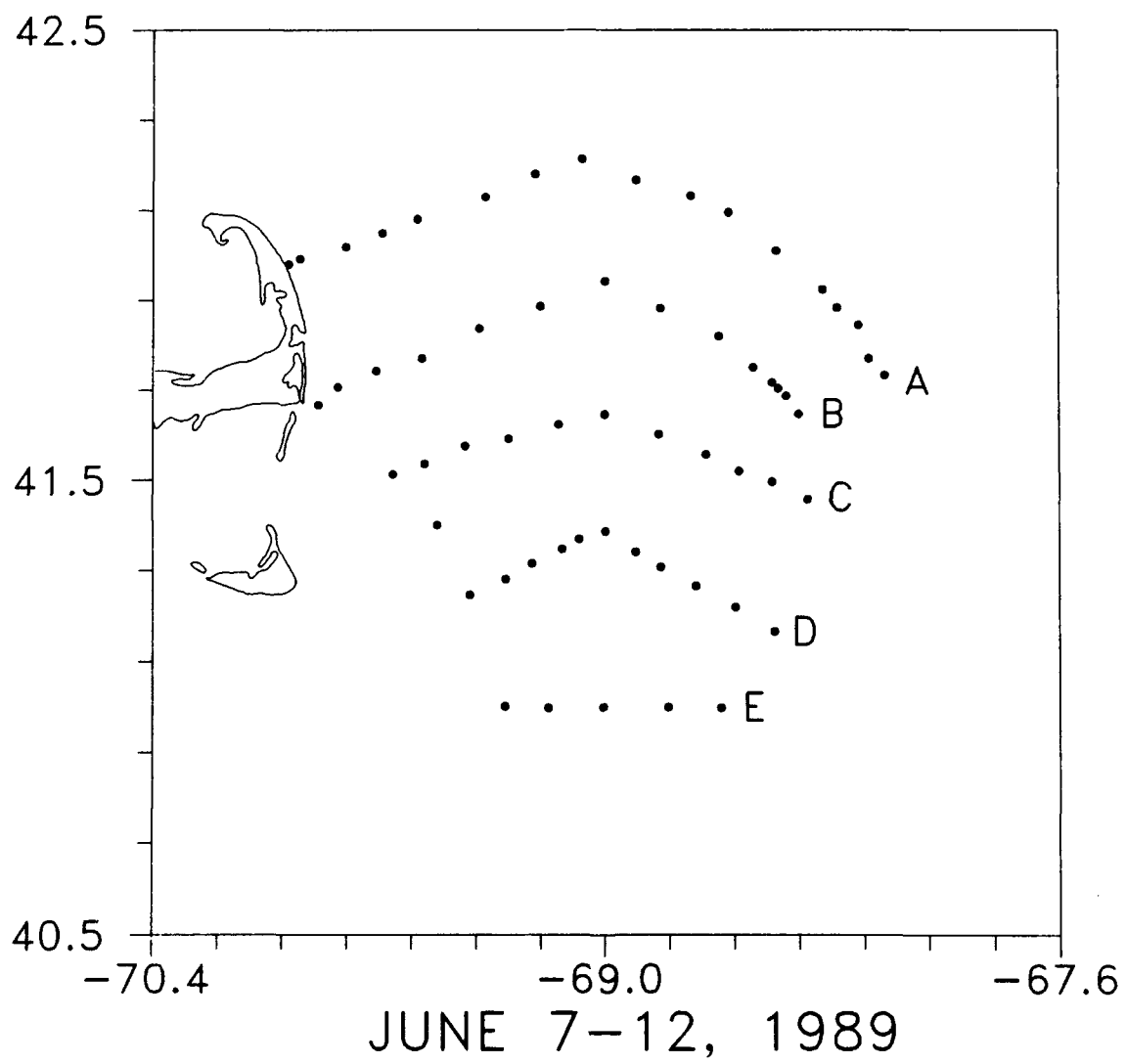
6. References

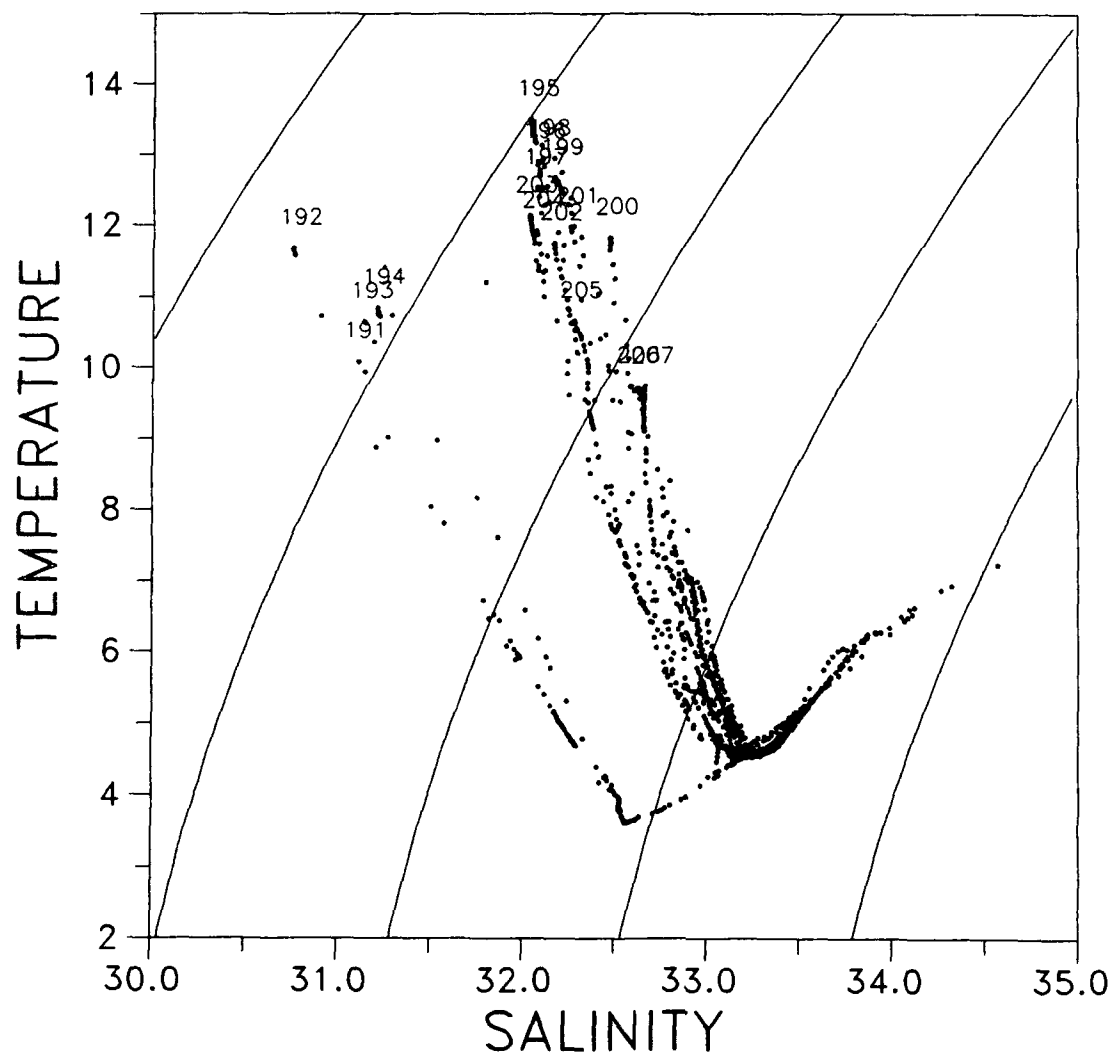
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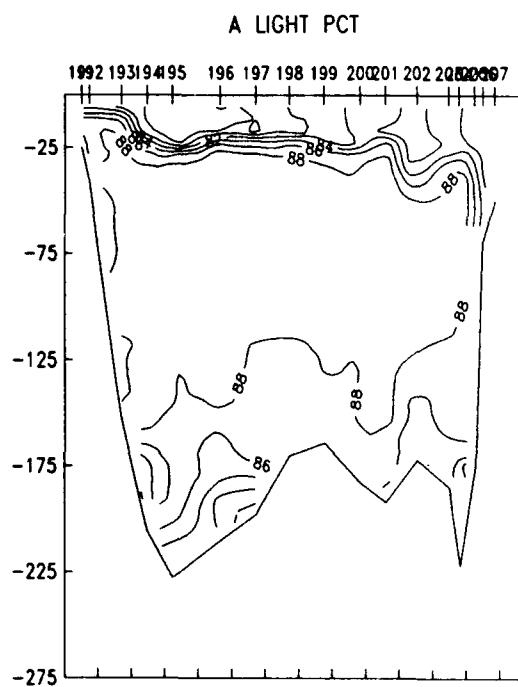
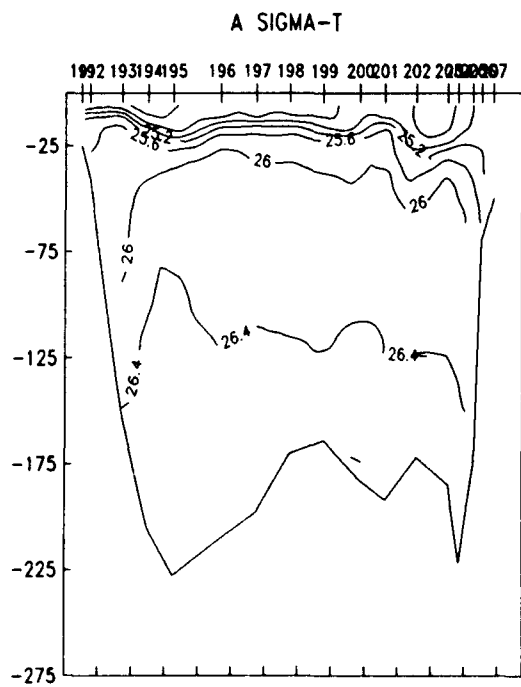
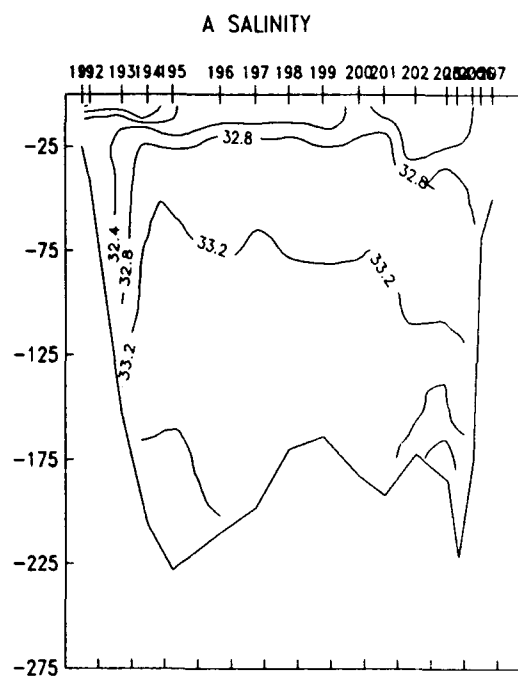
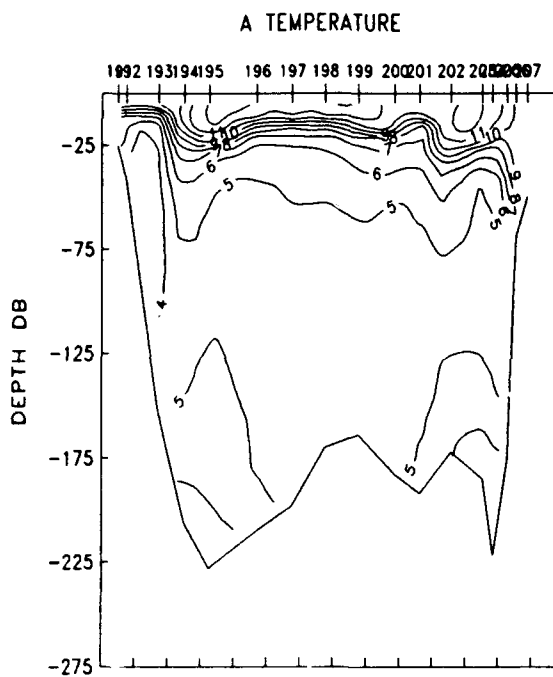
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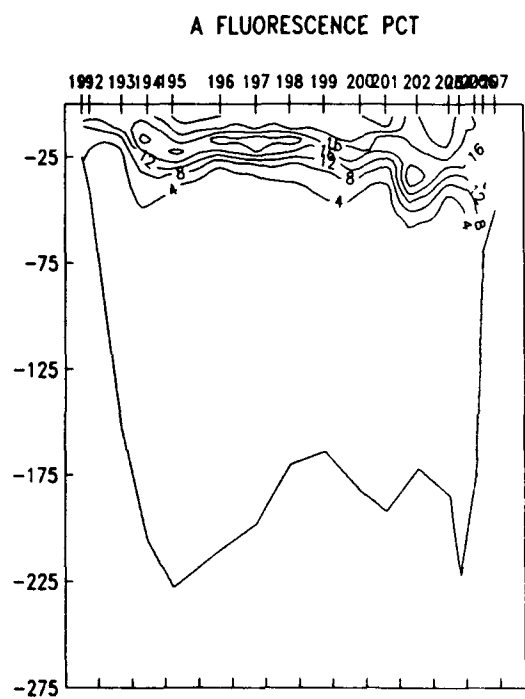
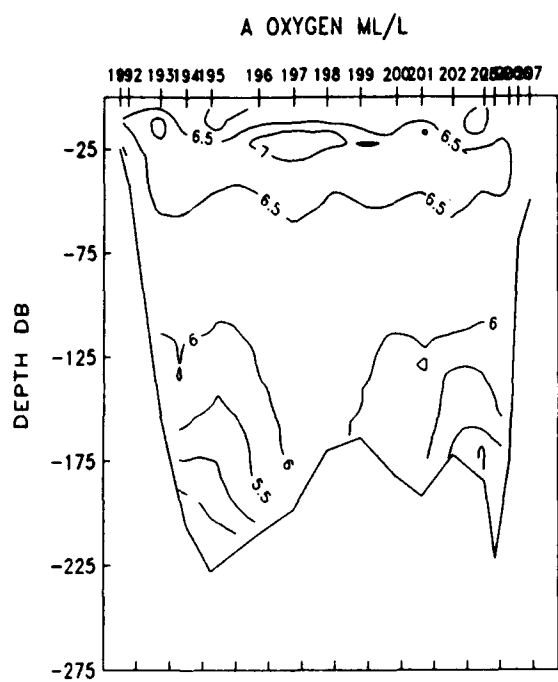
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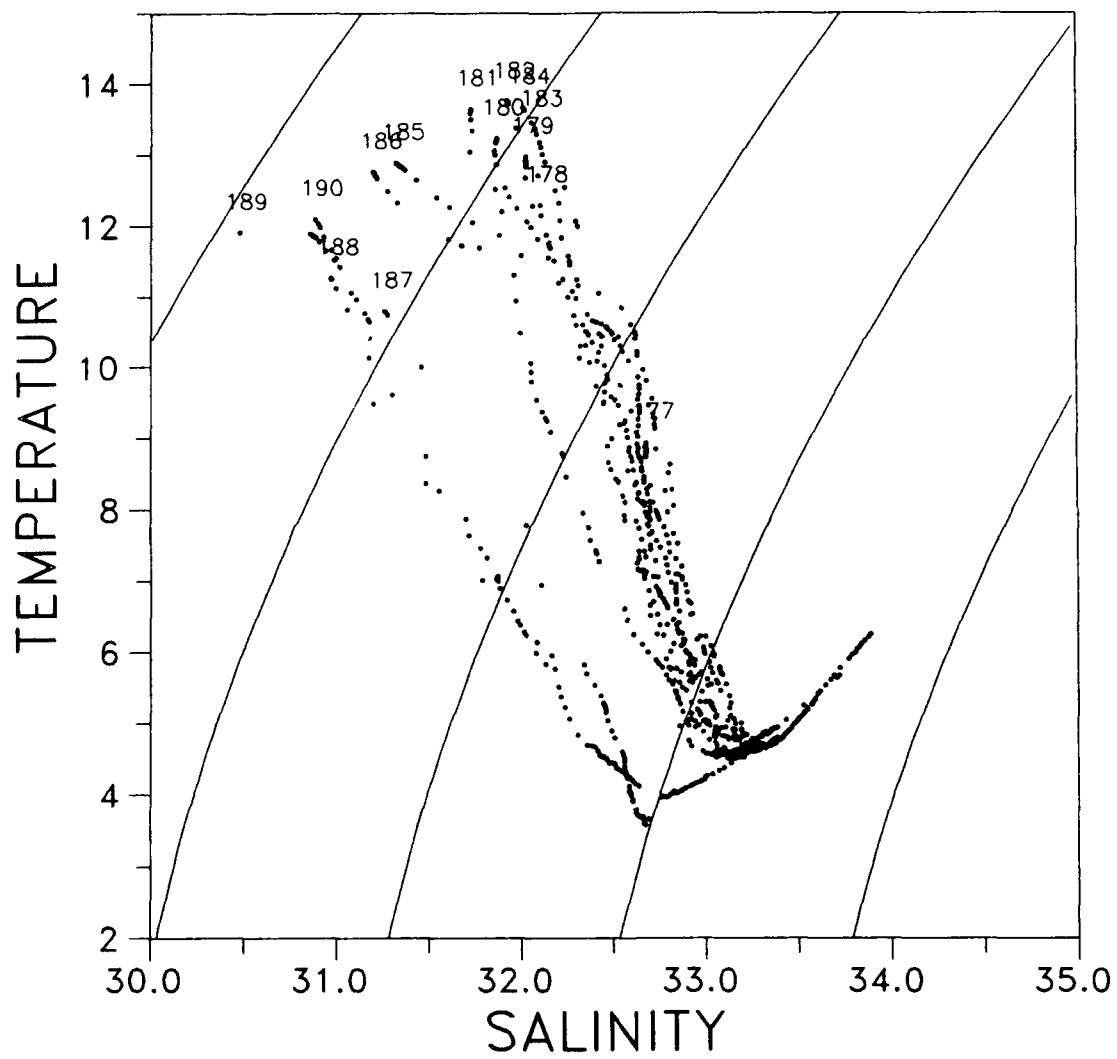


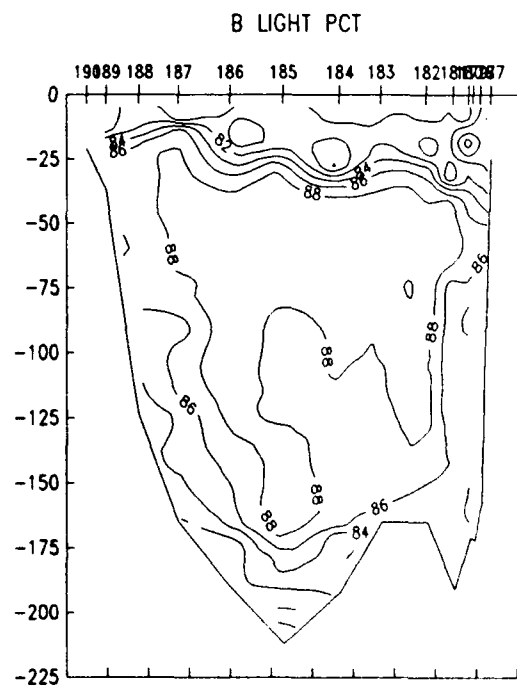
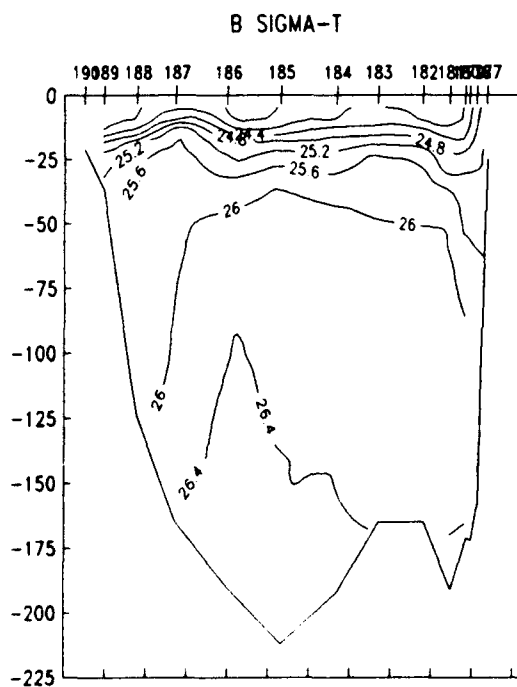
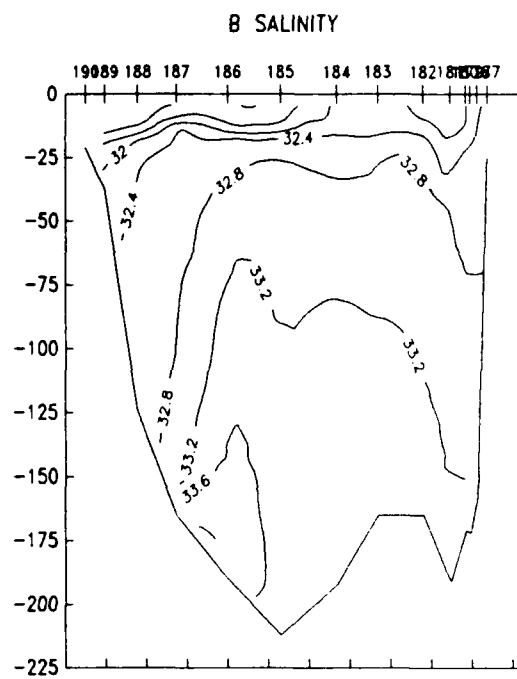
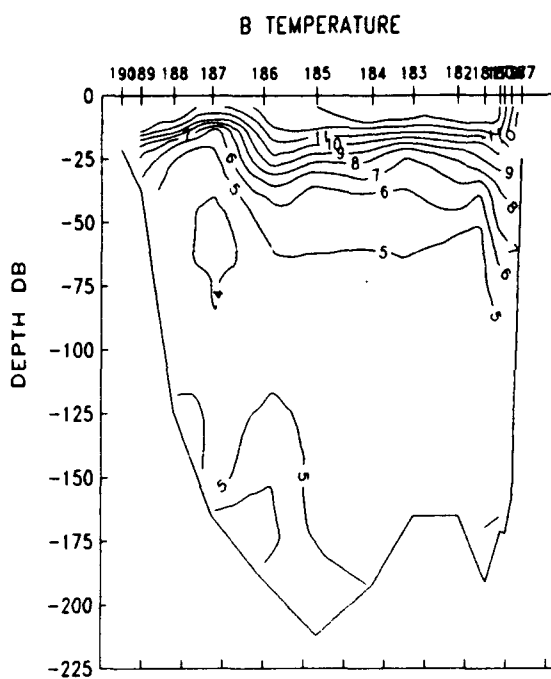


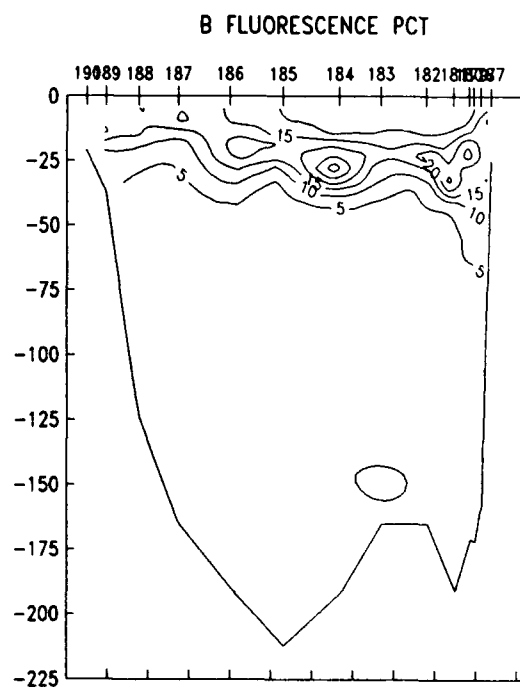
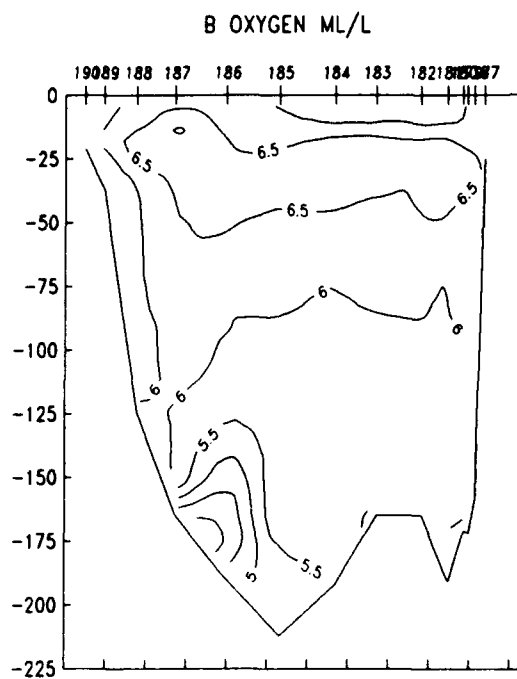


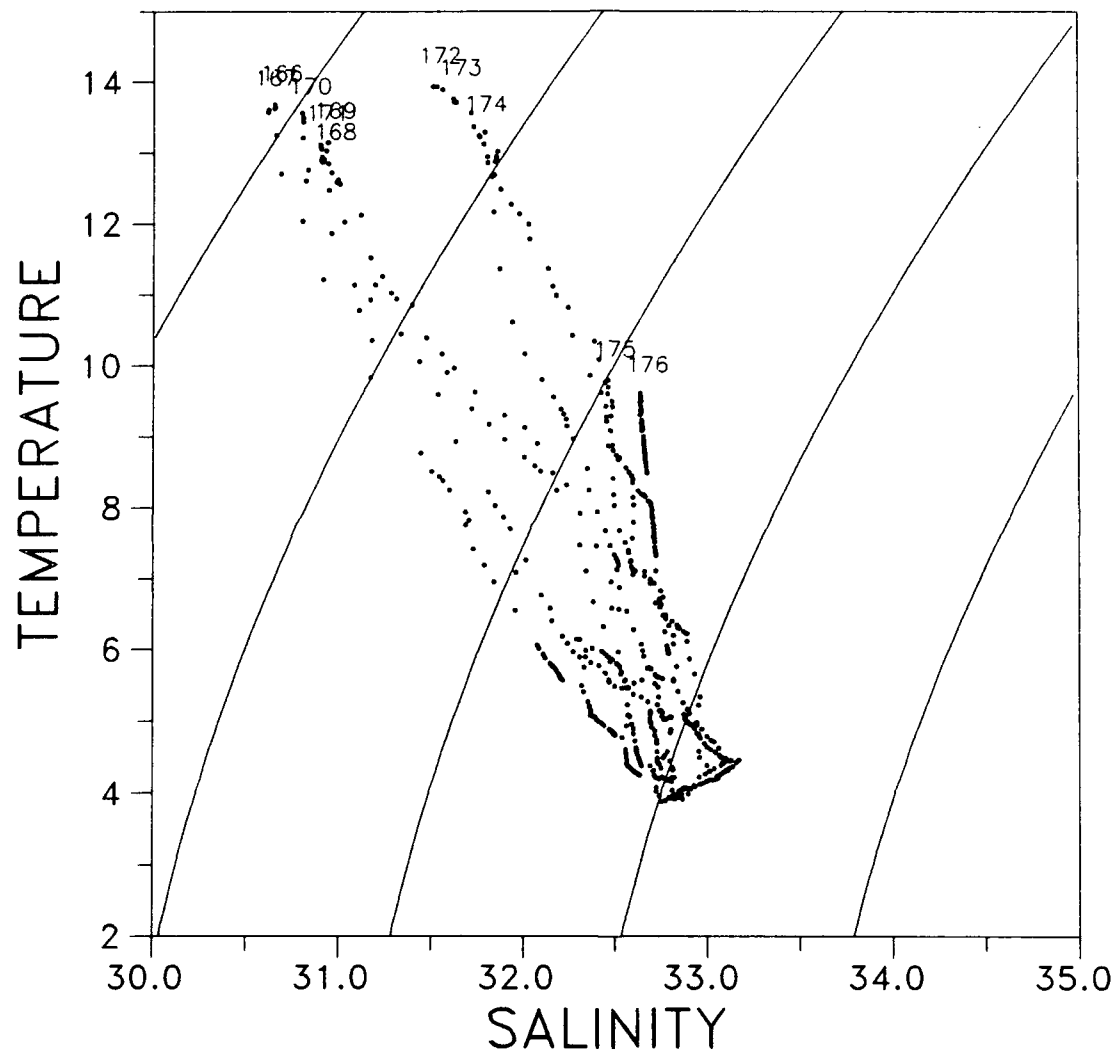


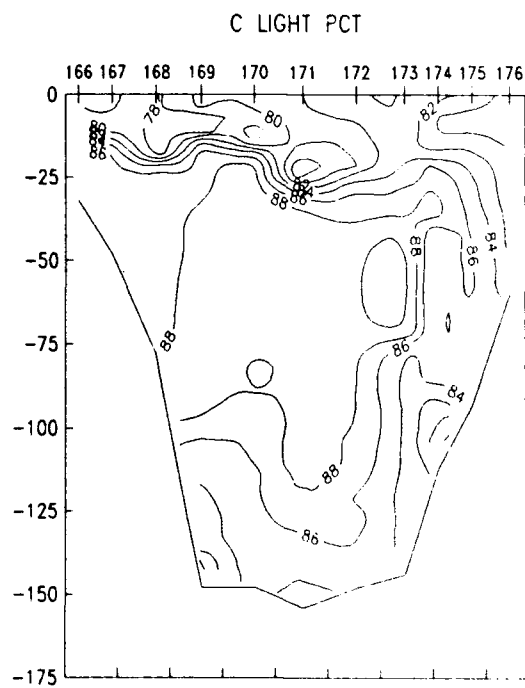
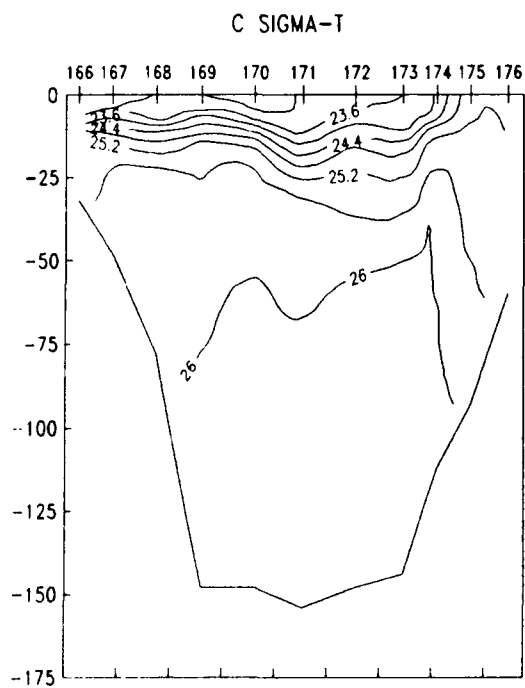
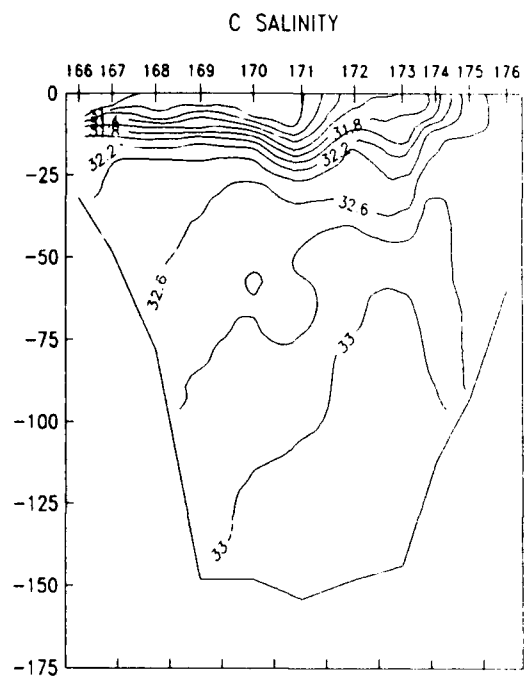
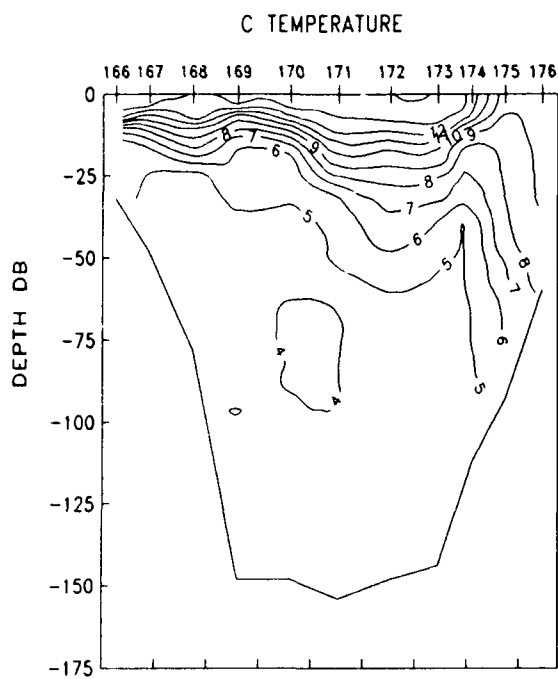


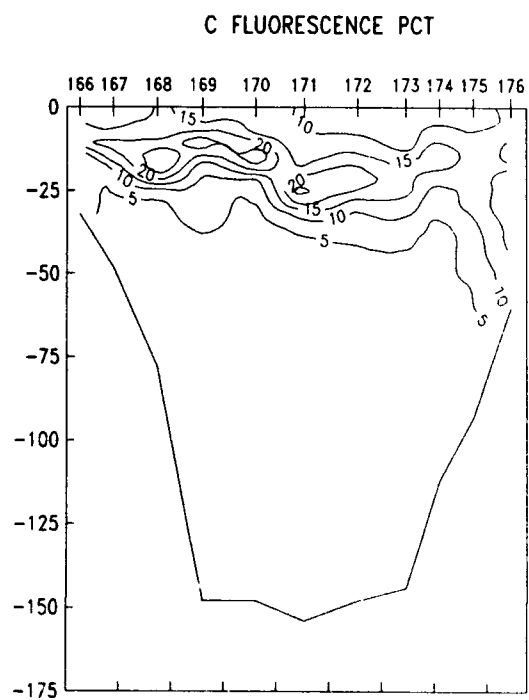
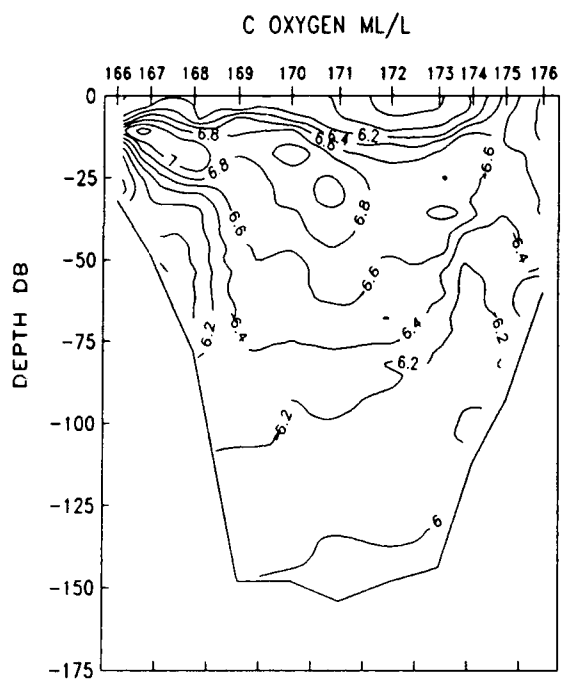


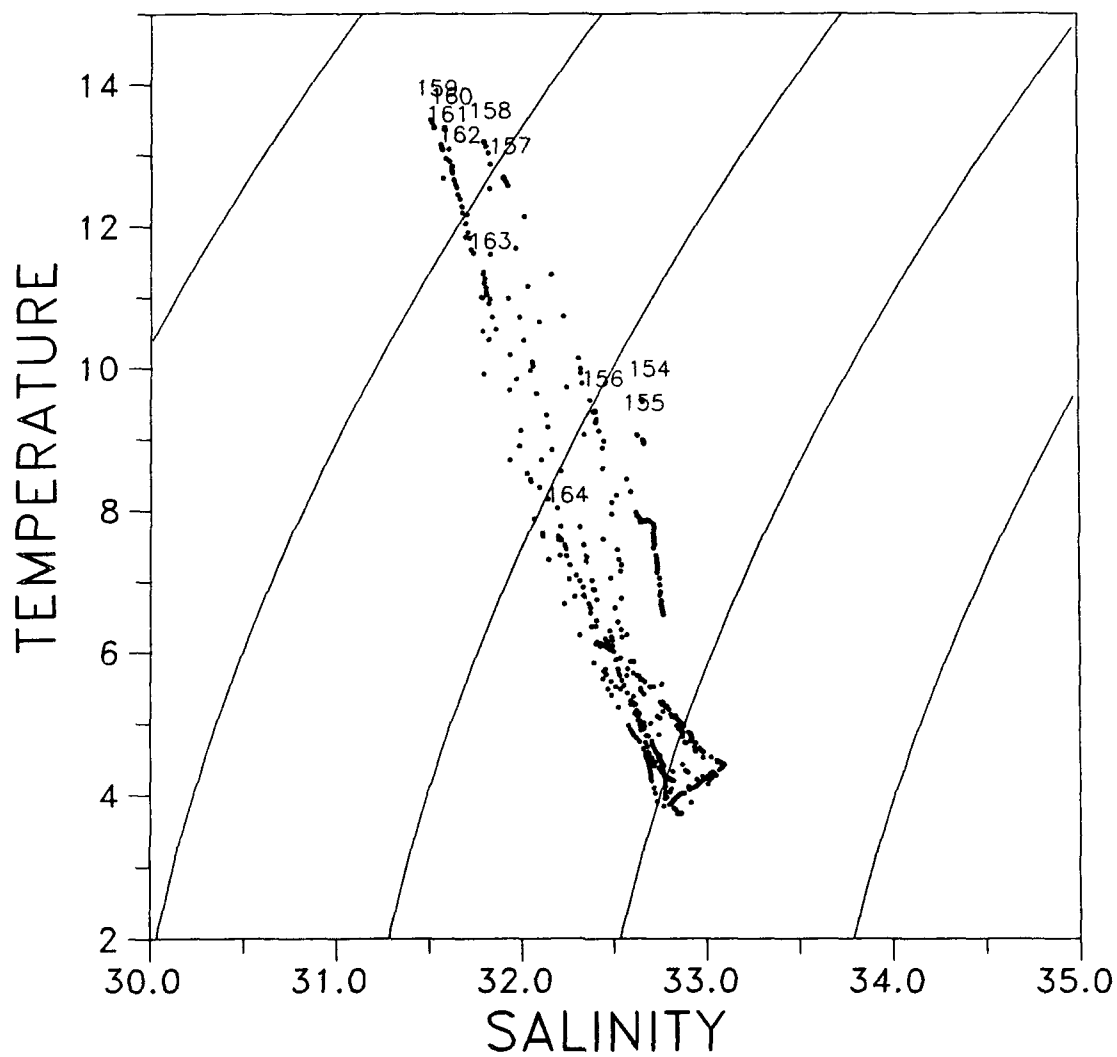


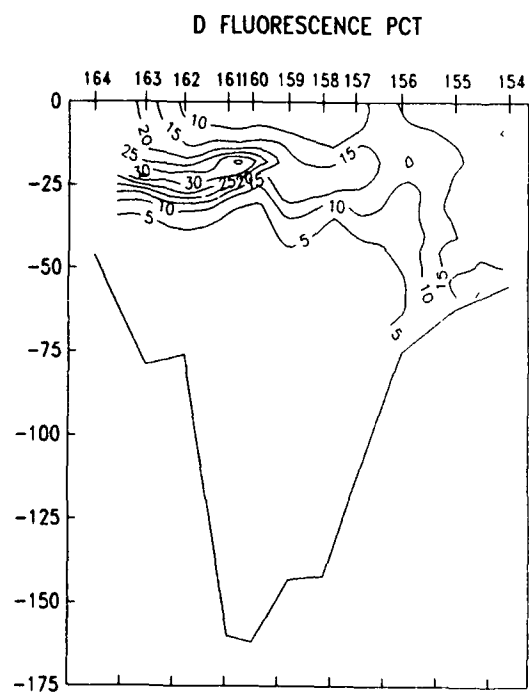
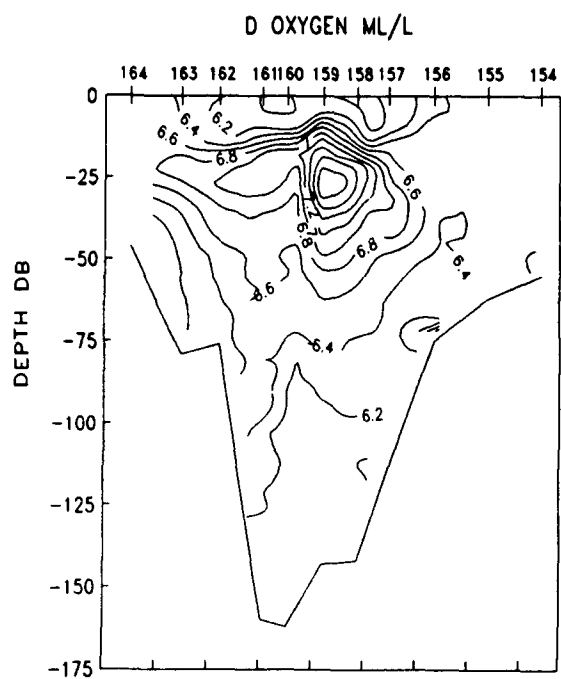


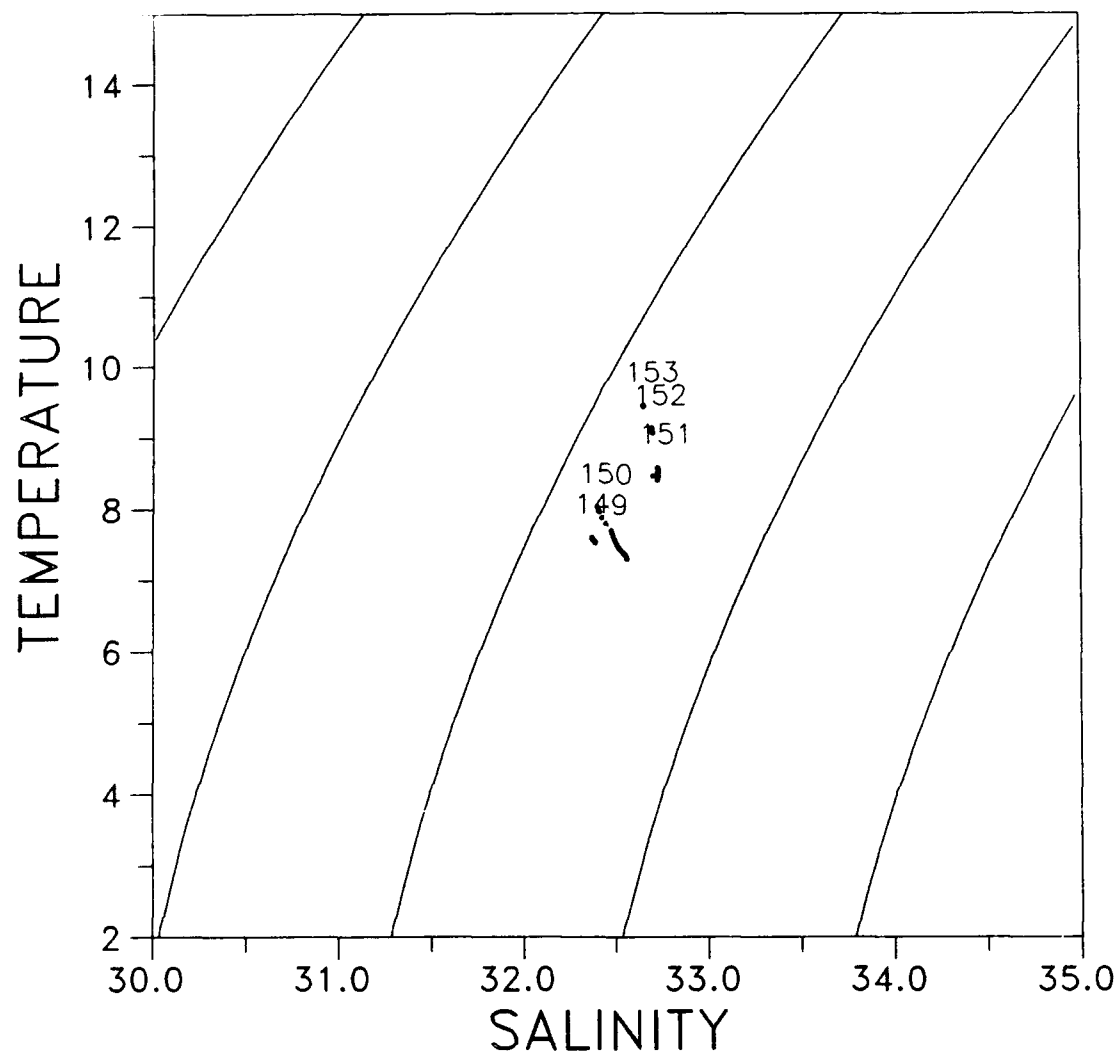


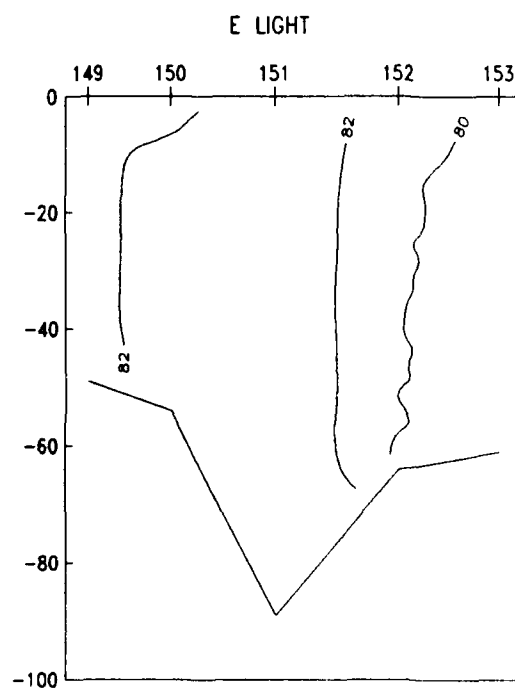
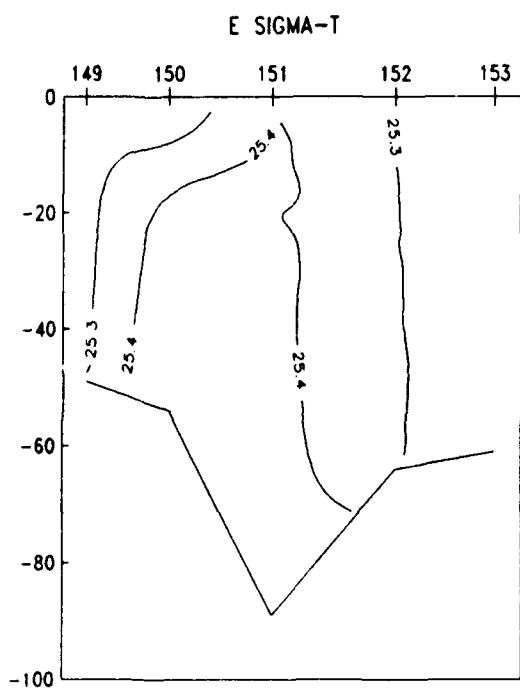
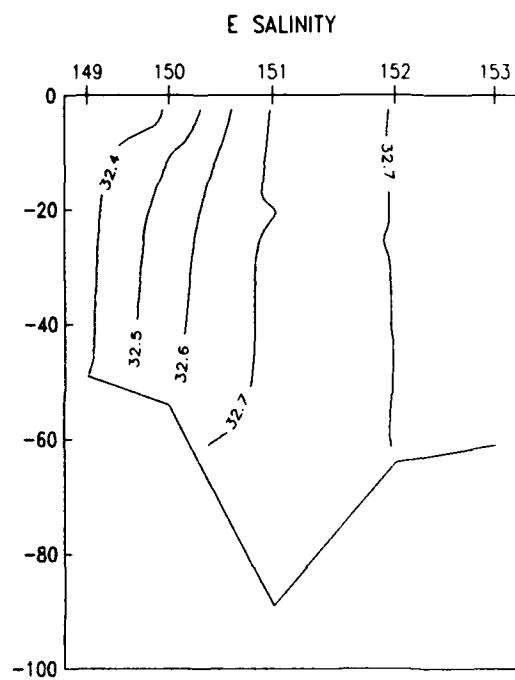
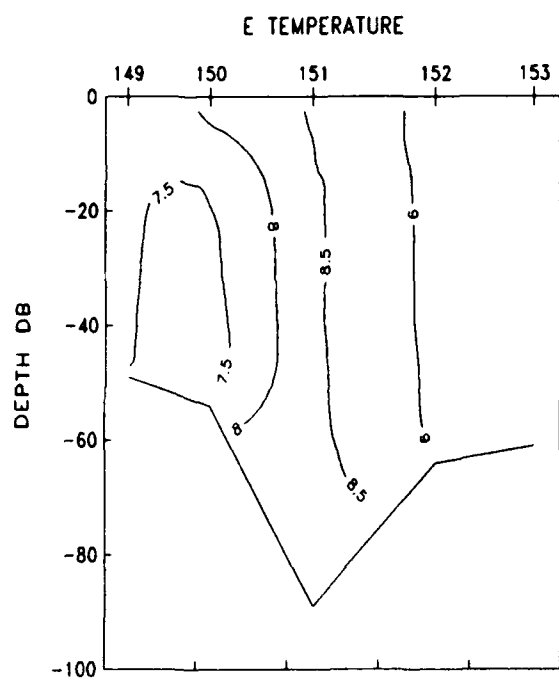


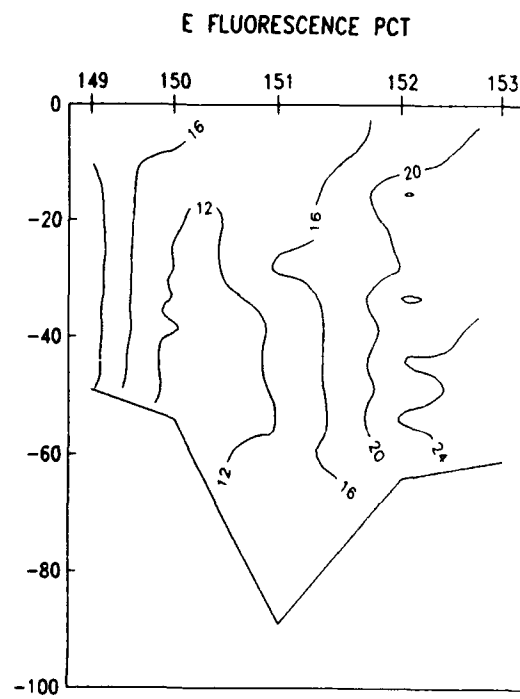
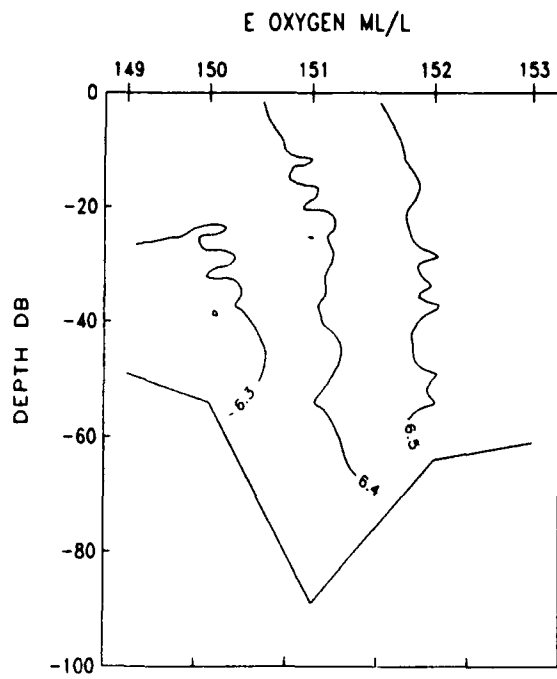


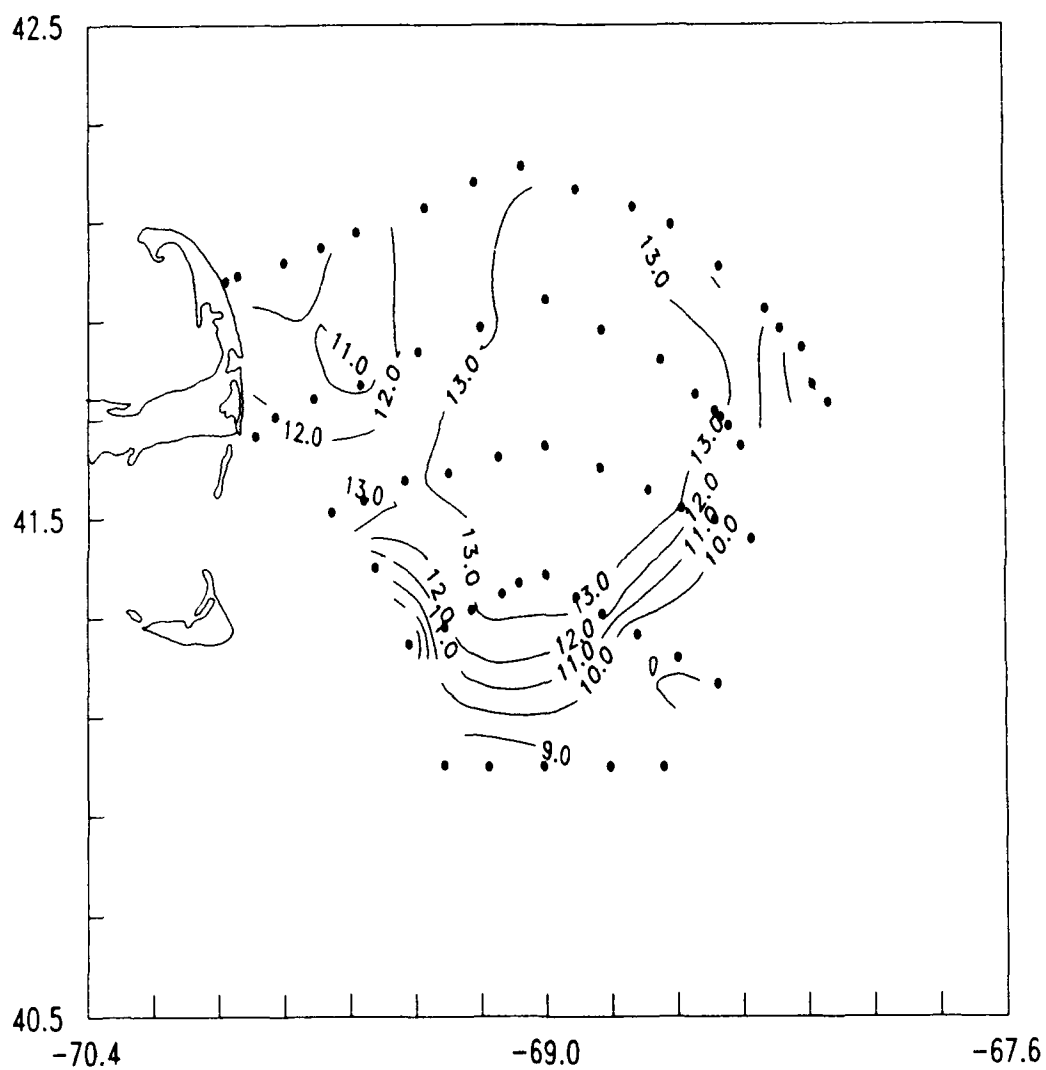




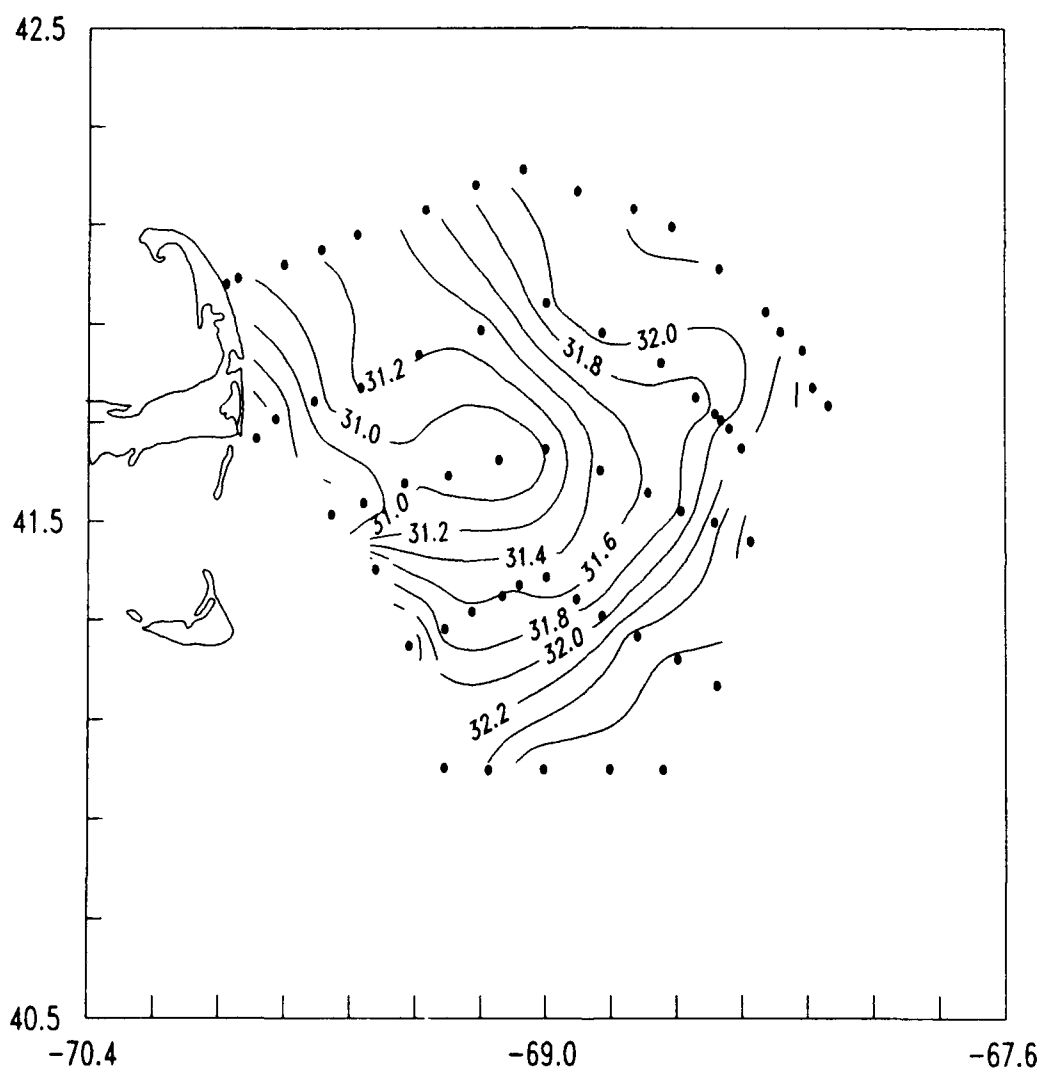




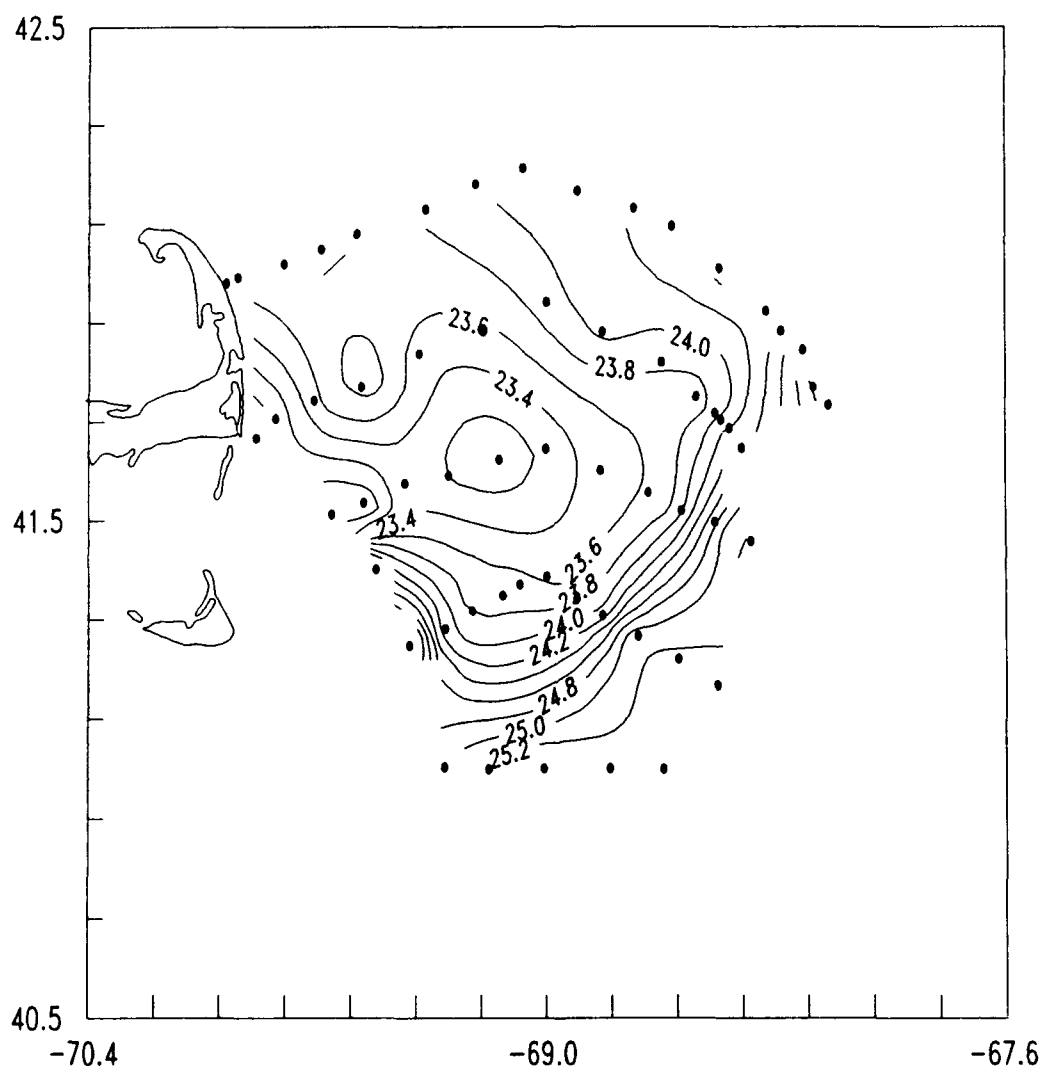




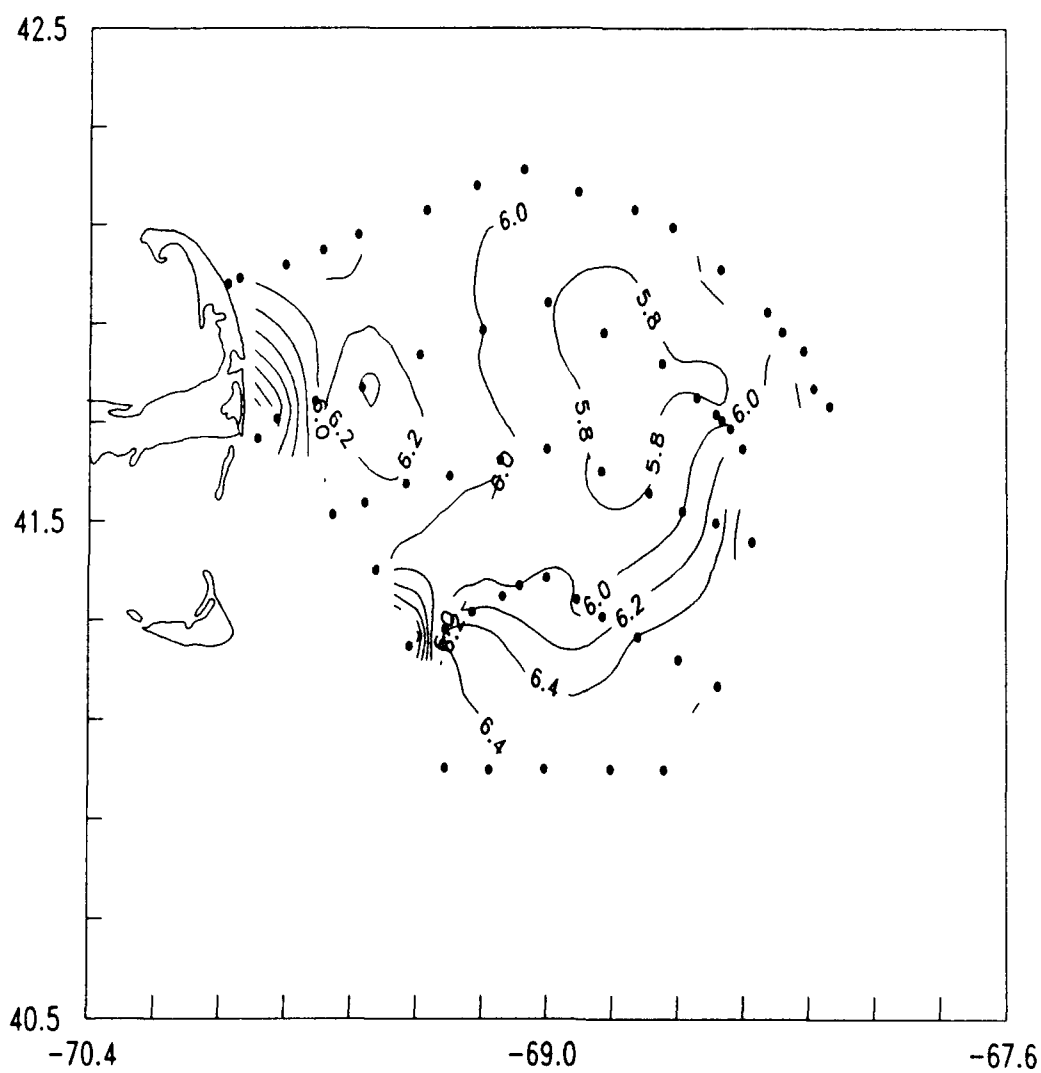
SURFACE TEMPERATURE JUN 7-12 1989



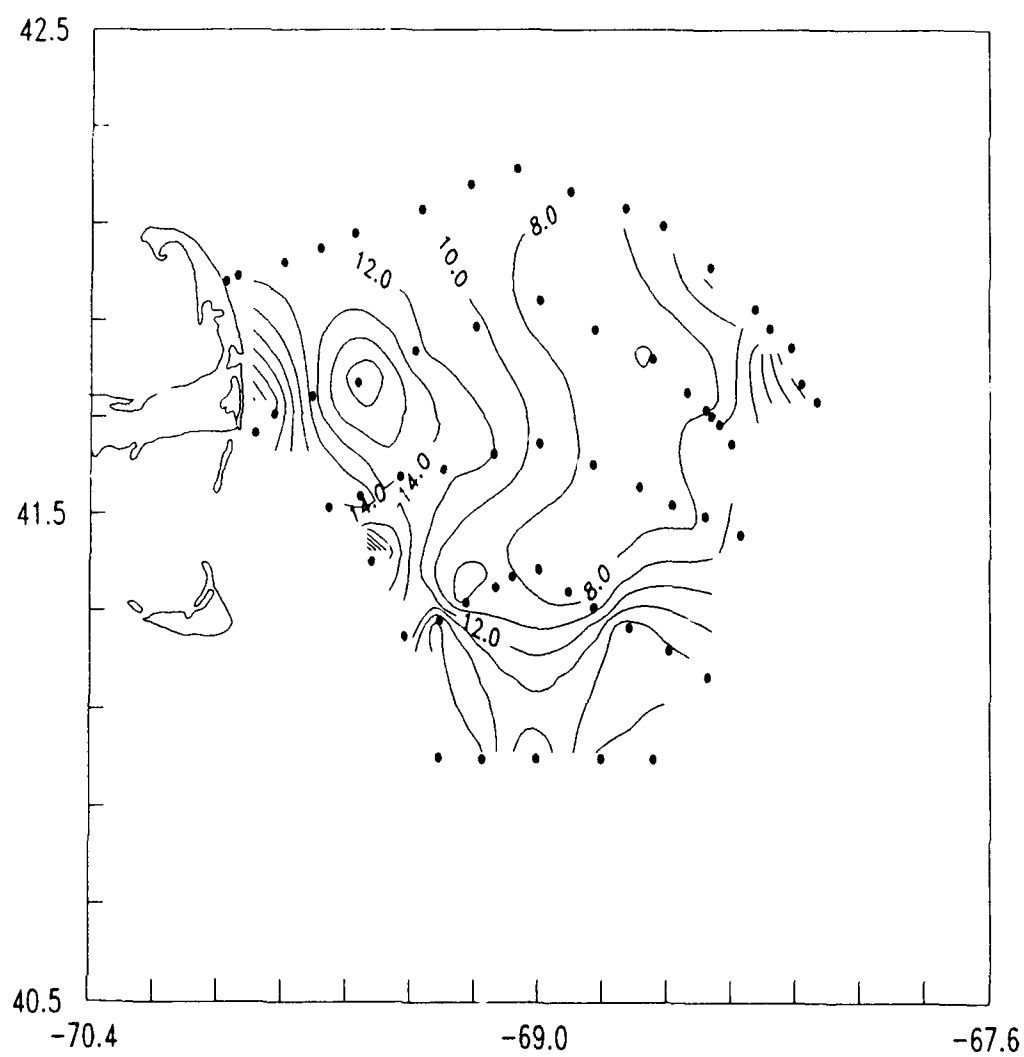
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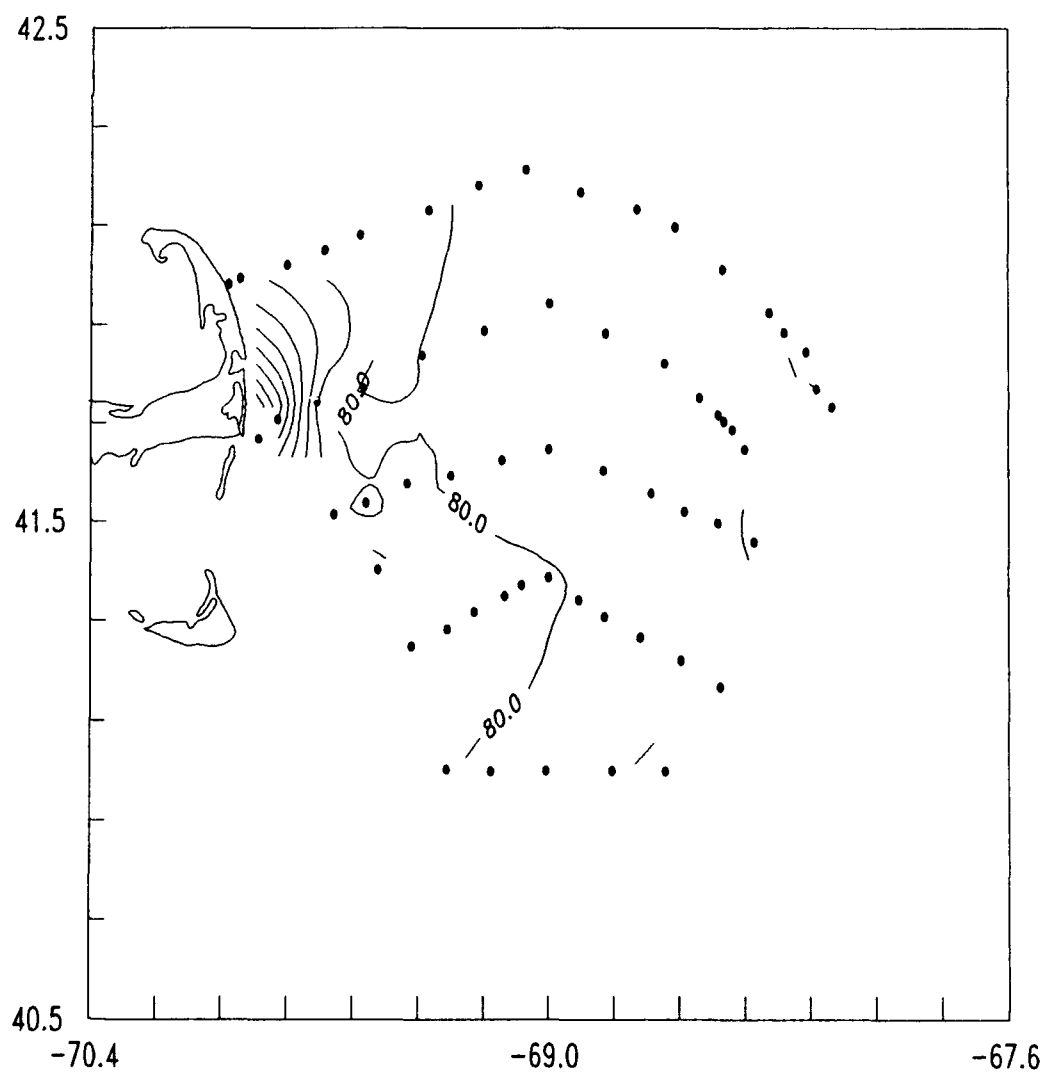
SURFACE SIGMA-T JUN 7-12 1989



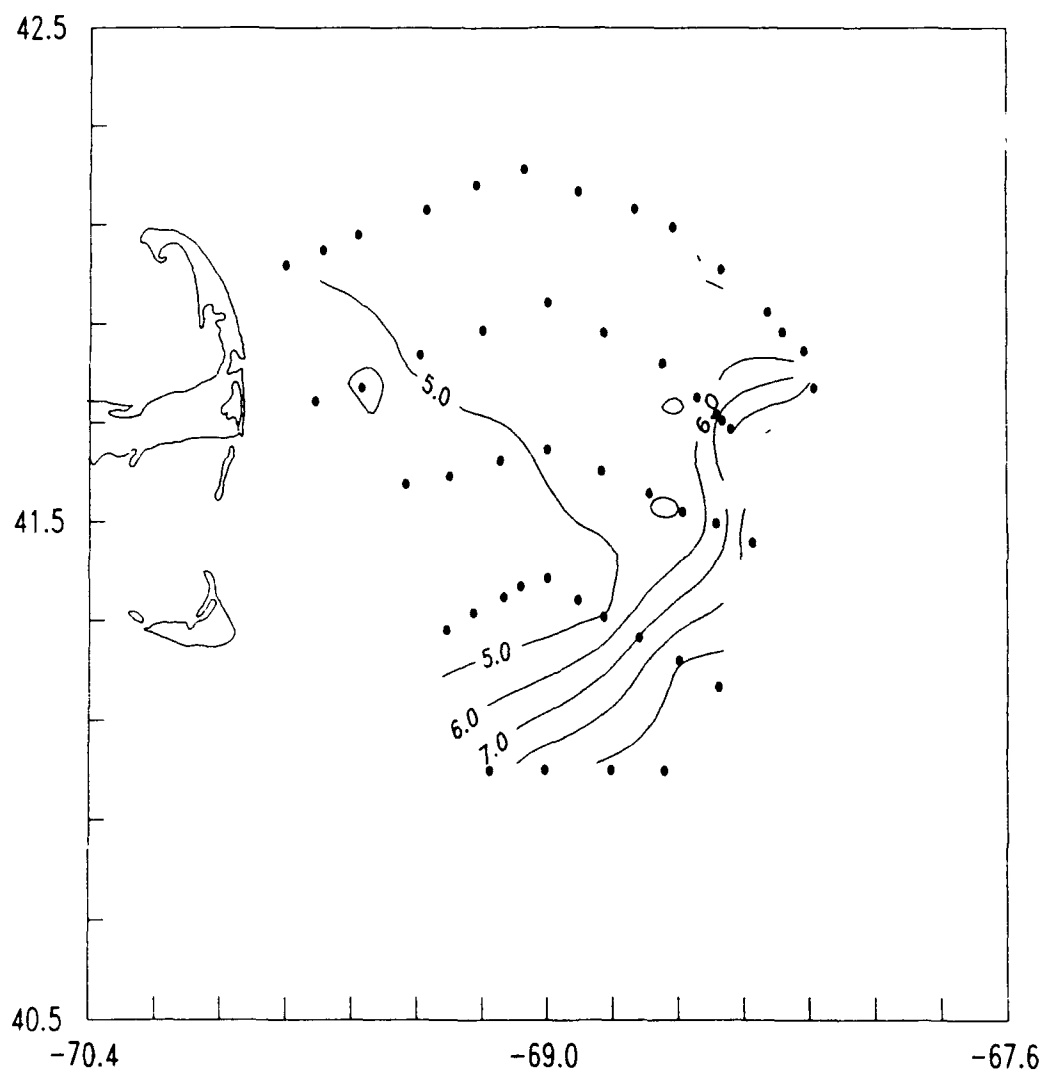
SURFACE OXYGEN ML/L JUN 7-12 1989



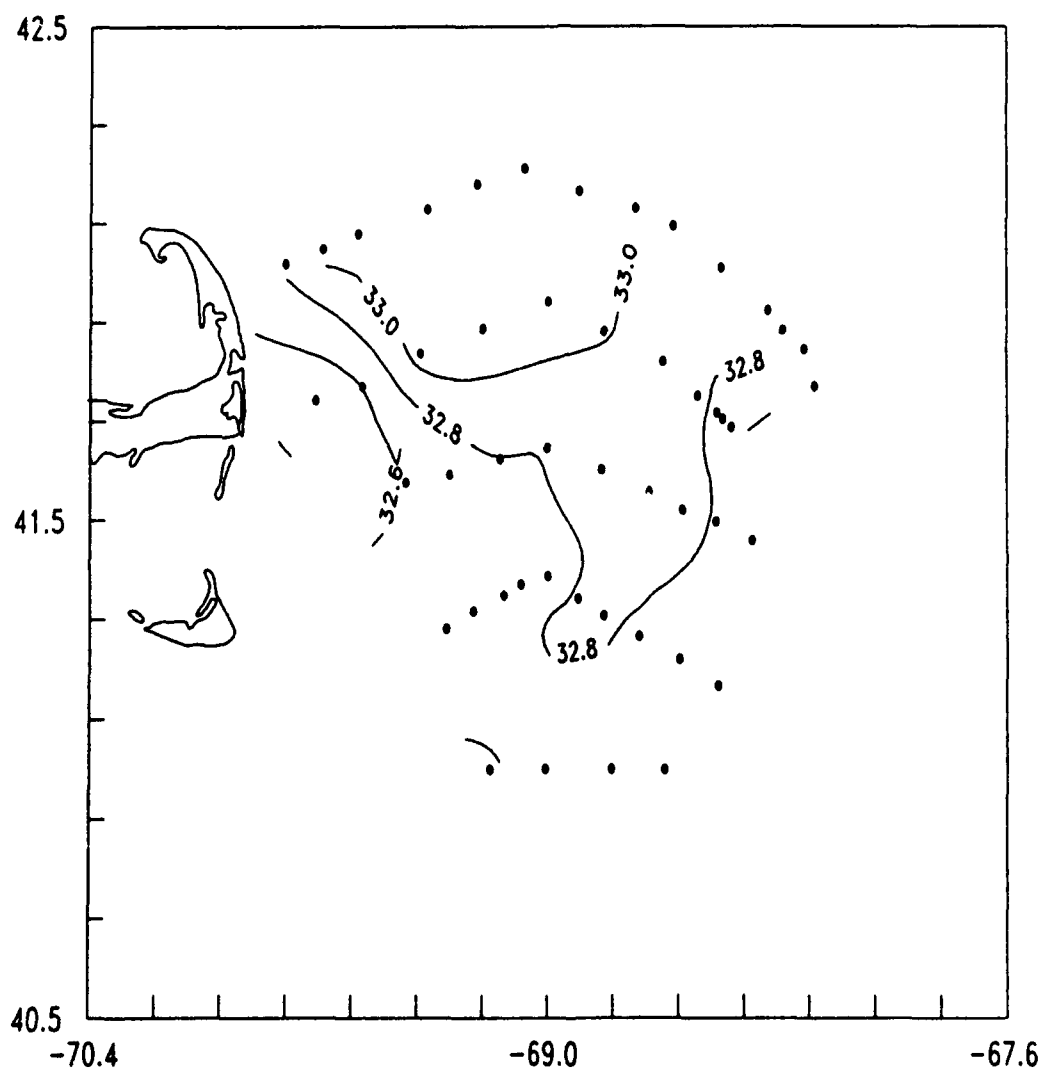
SURFACE FLUORESCENCE PCT JUN 7-12 1989



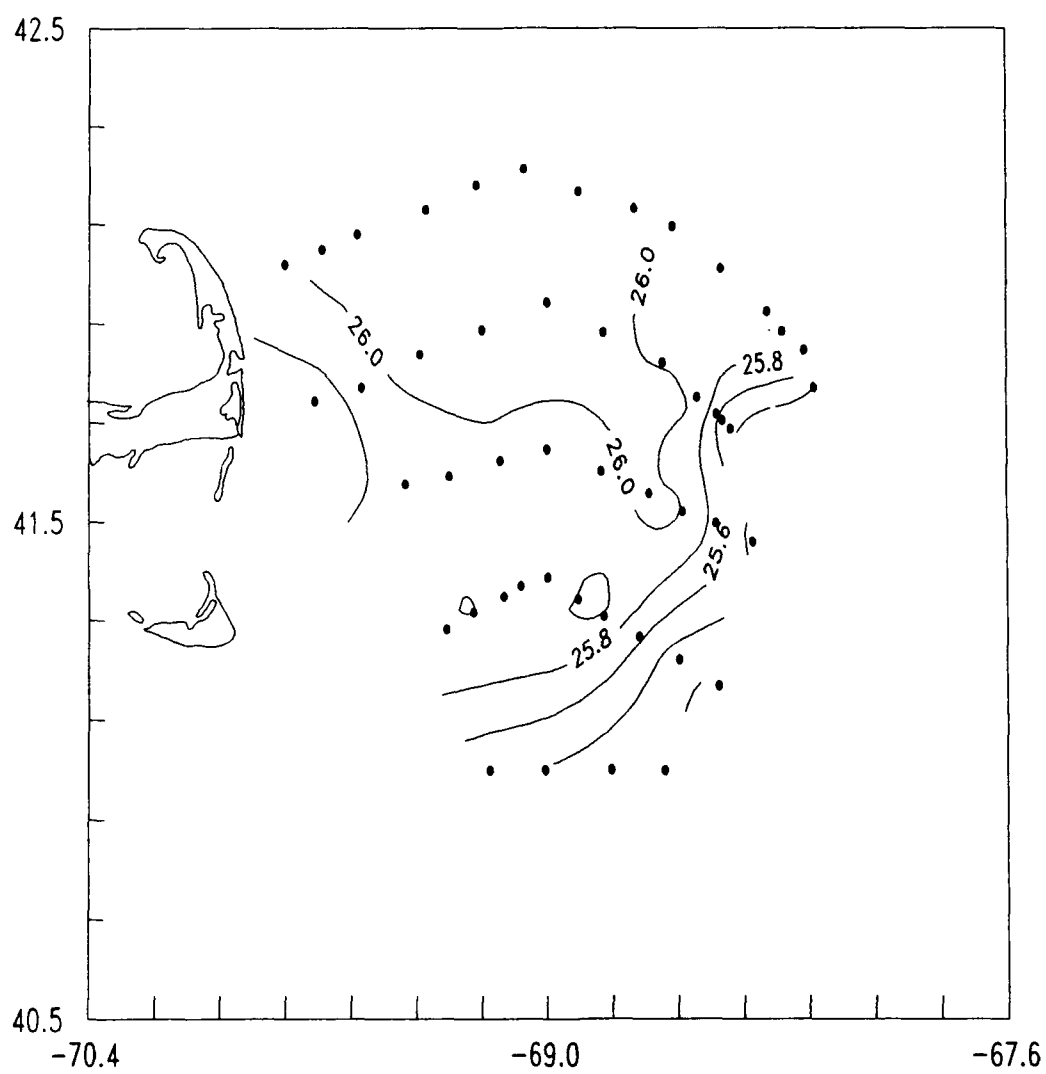
SURFACE LIGHT PCT JUN 7-12 1989



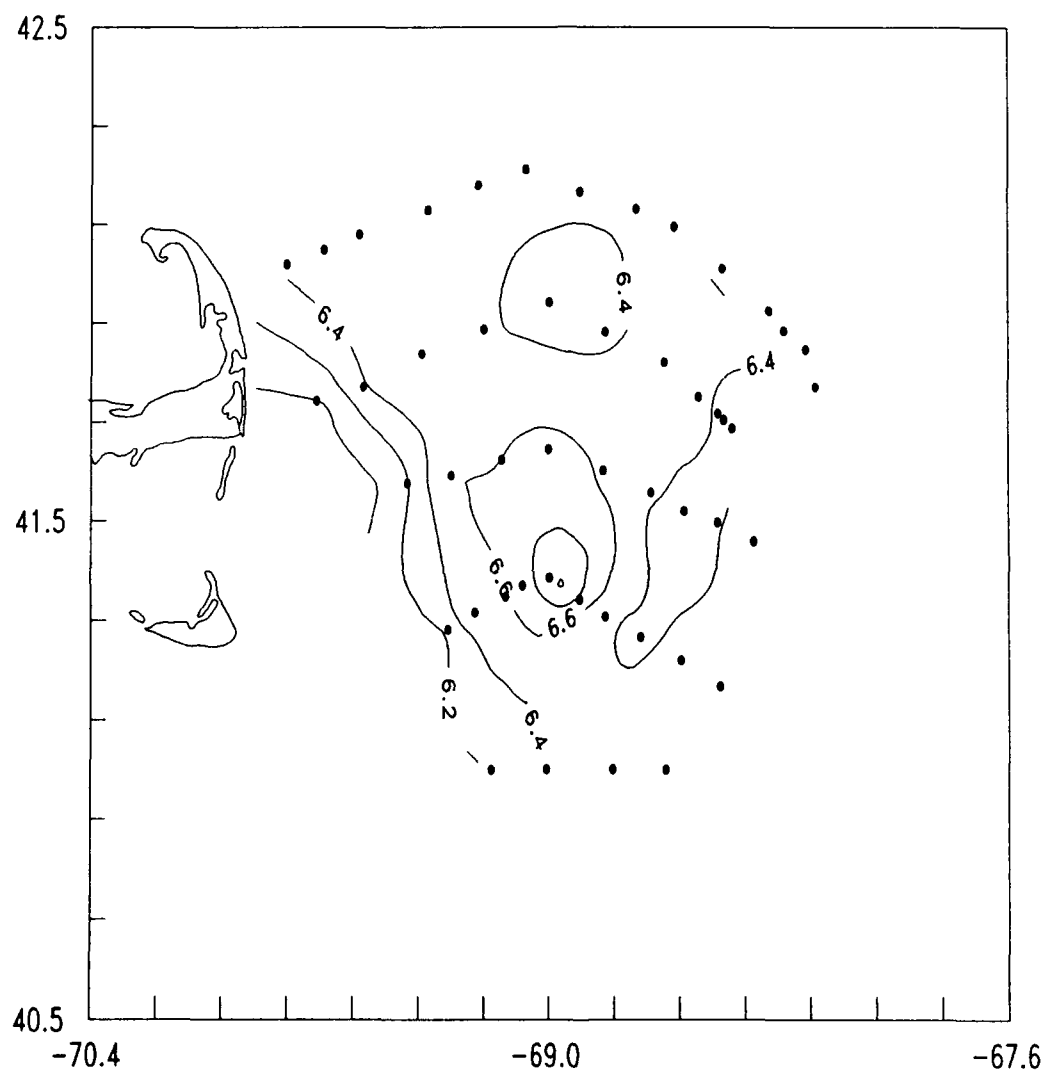
TEMPERATURE 50 M JUN 7-12 1989



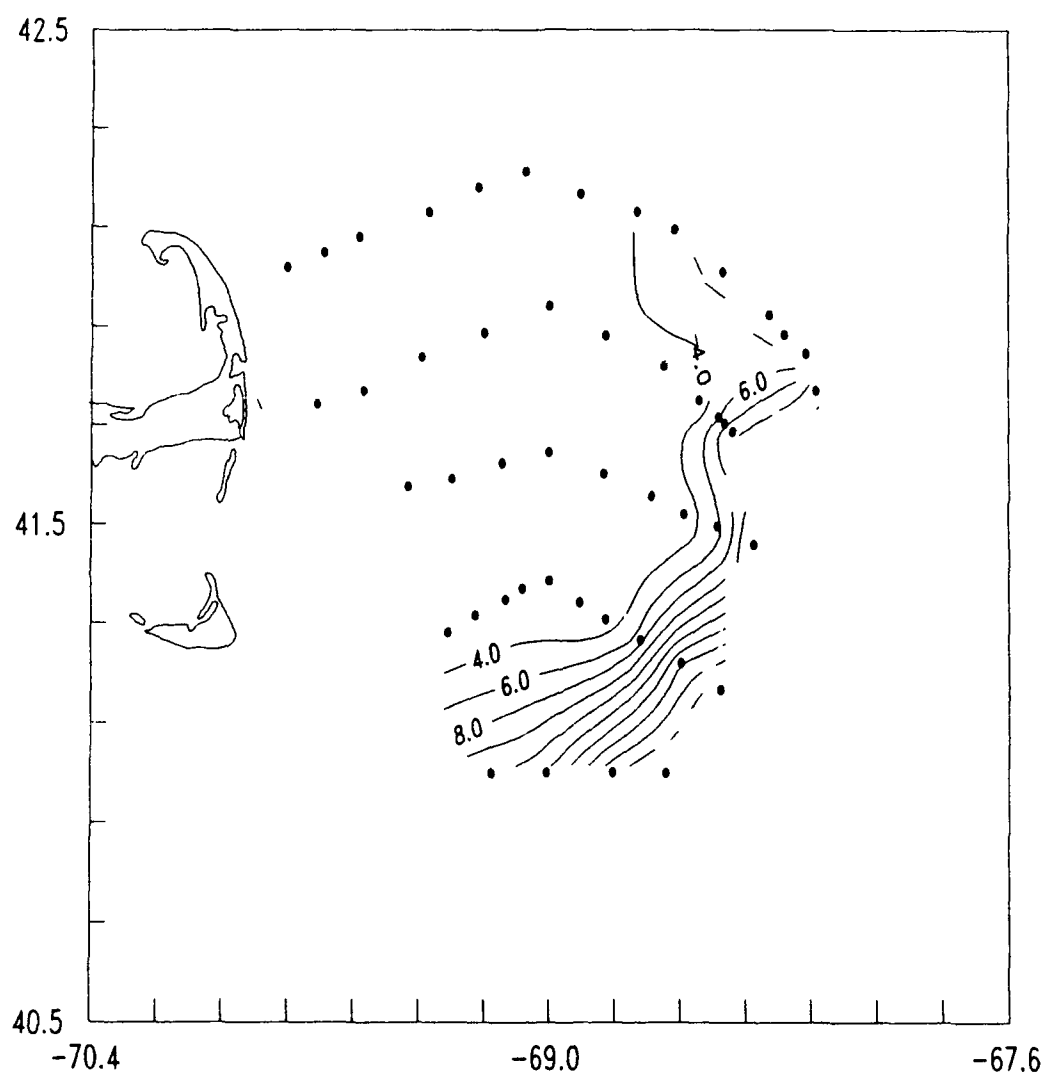
SALINITY 50 M JUN 7-12 1989



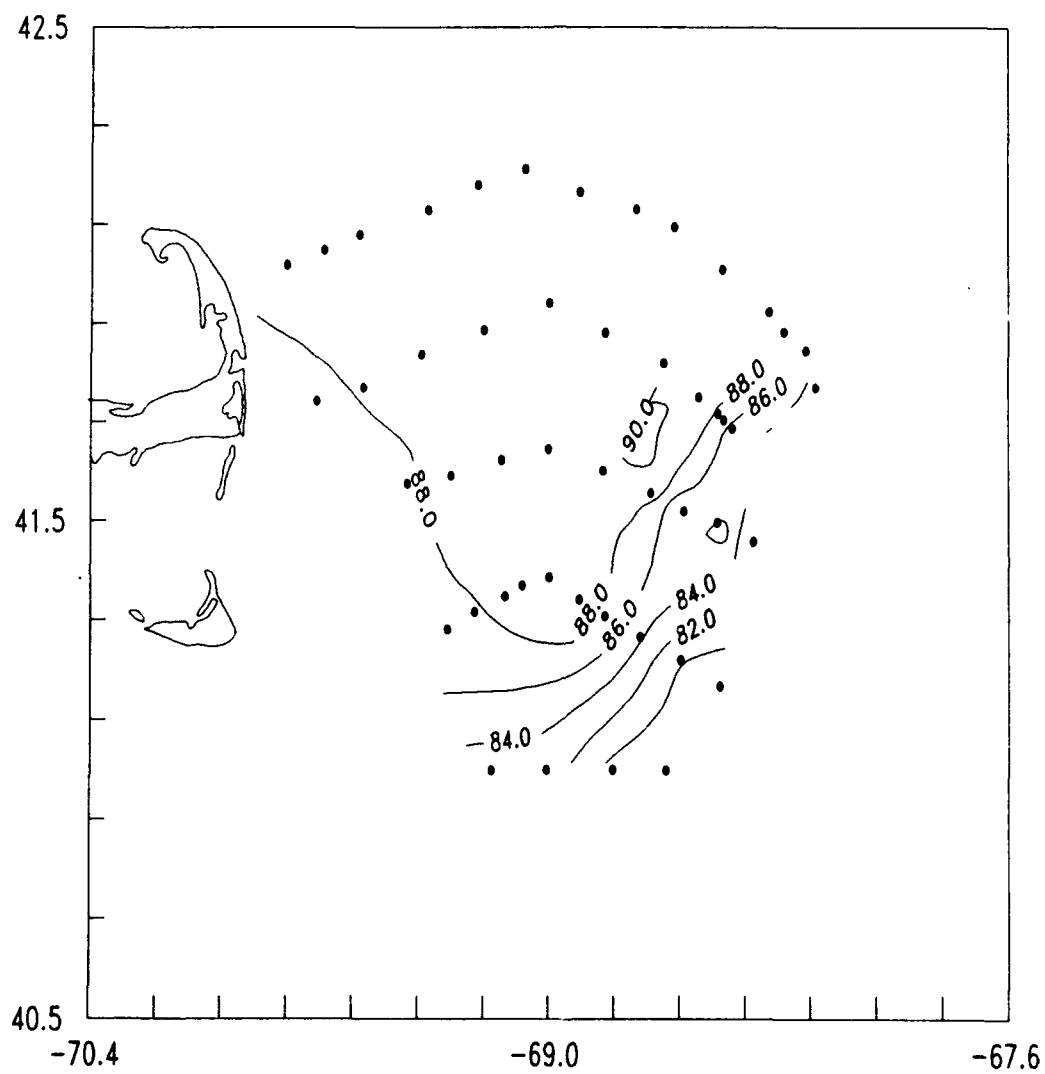
SIGMA-T 50 M JUN 7-12 1989



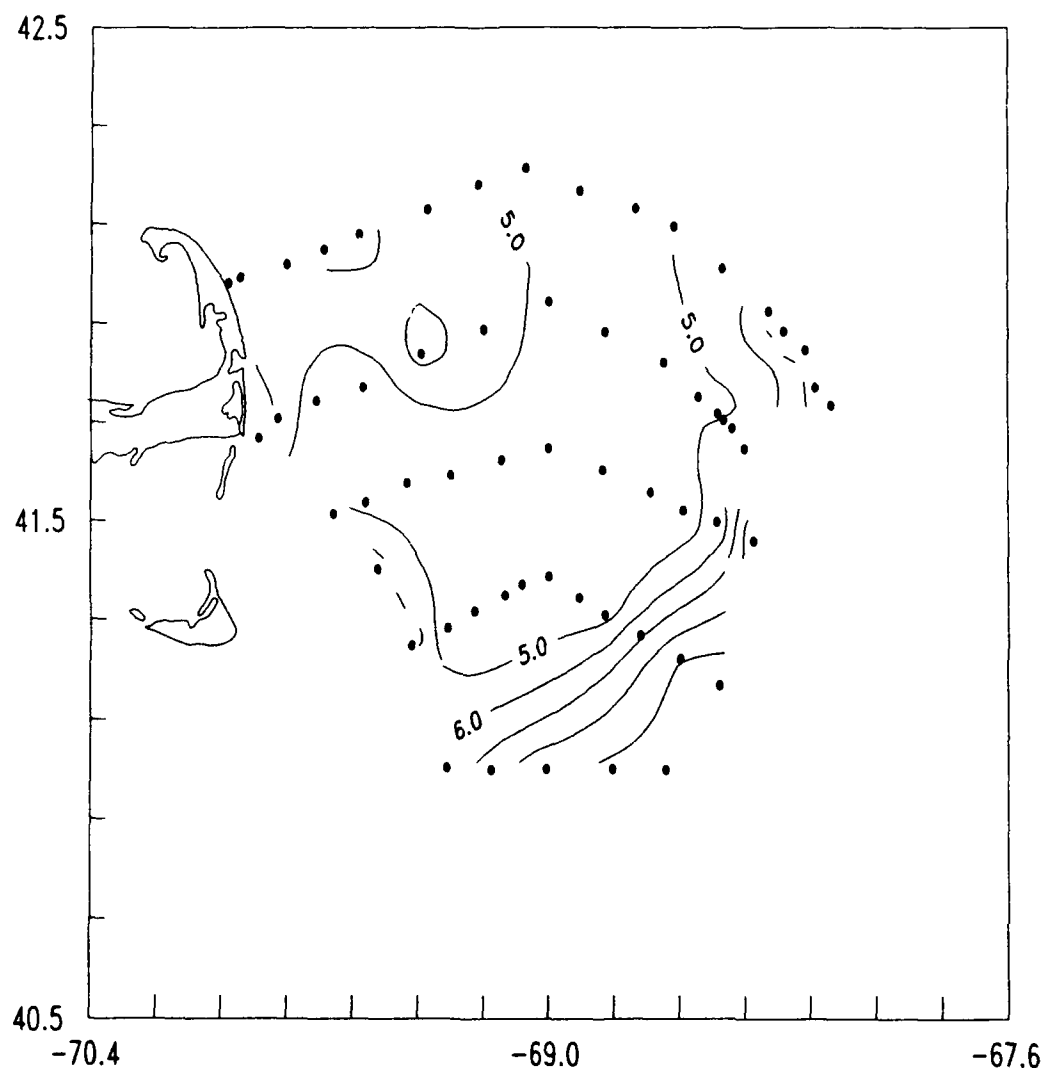
OXYGEN ML/L 50 M JUN 7-12 1989



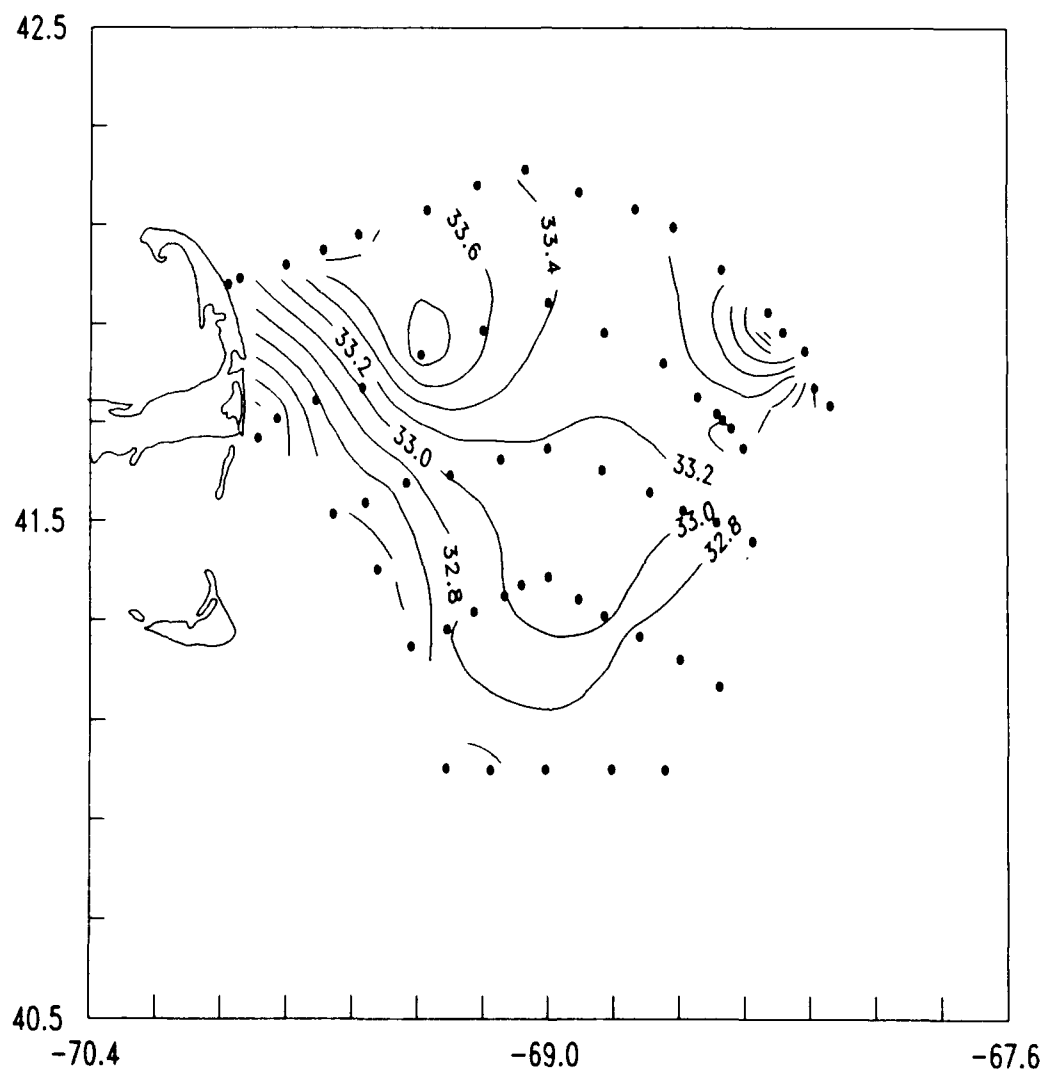
FLUORESCENCE PCT 50 M JUN 7-12 1989



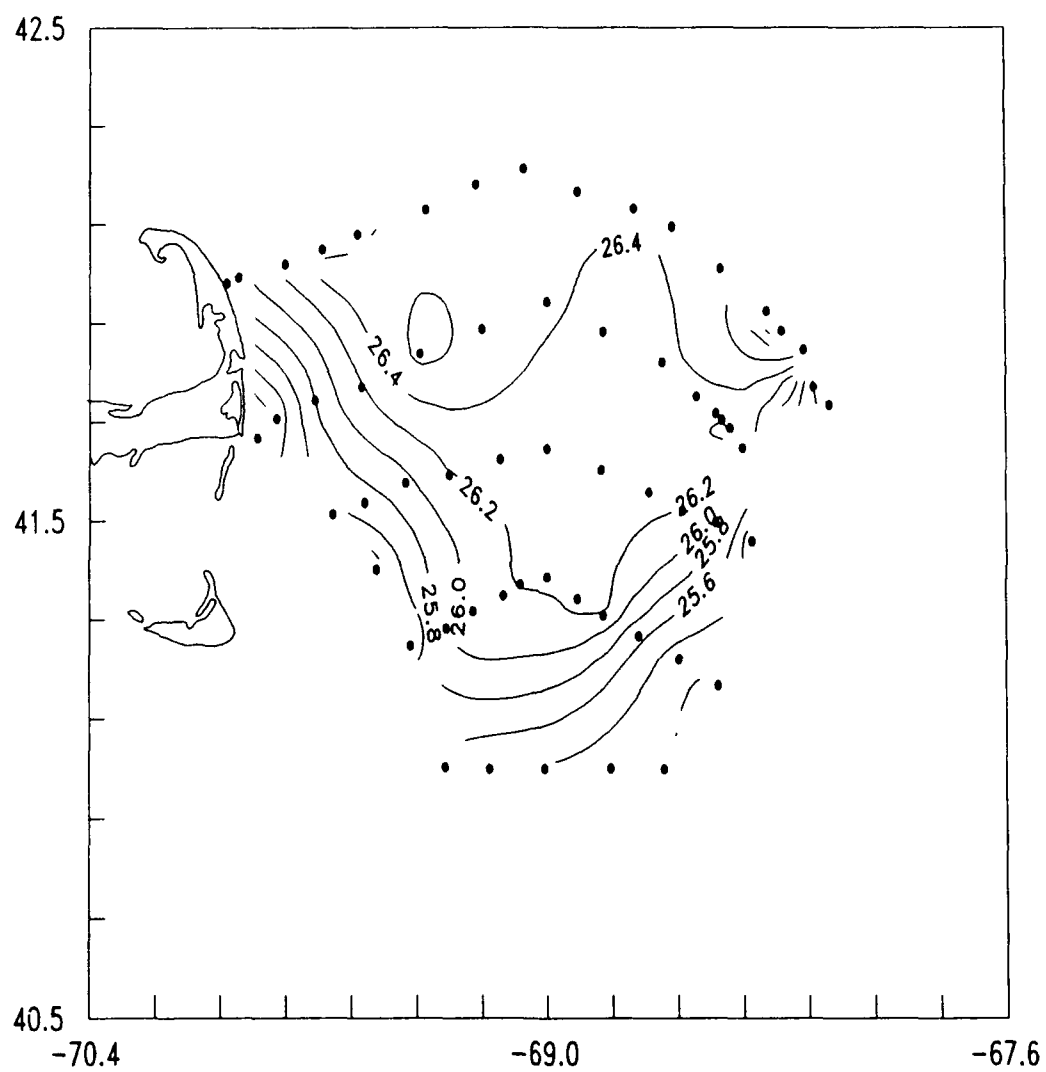
LIGHT PCT 50 M JUN 7-12 1989



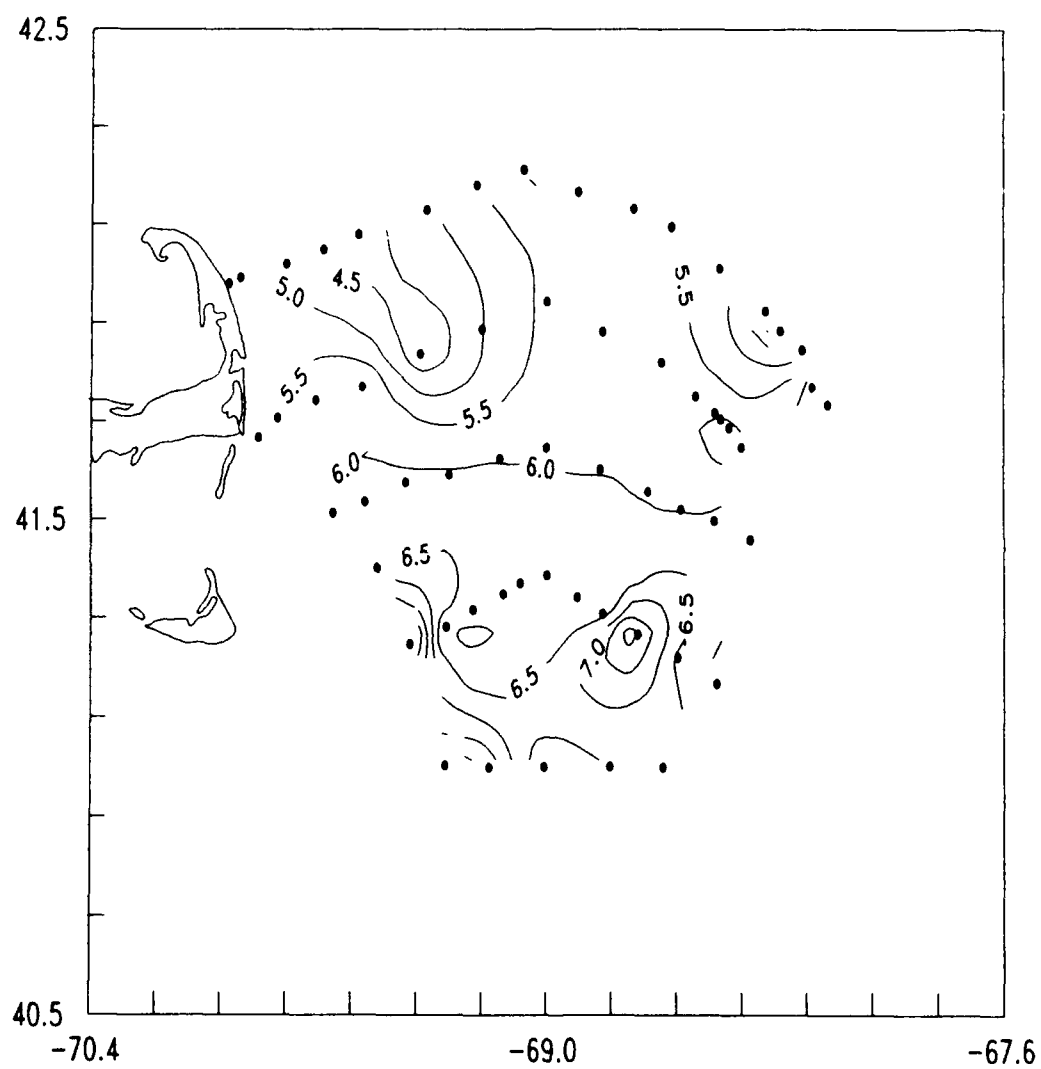
BOTTOM TEMPERATURE JUN 7-12 1989



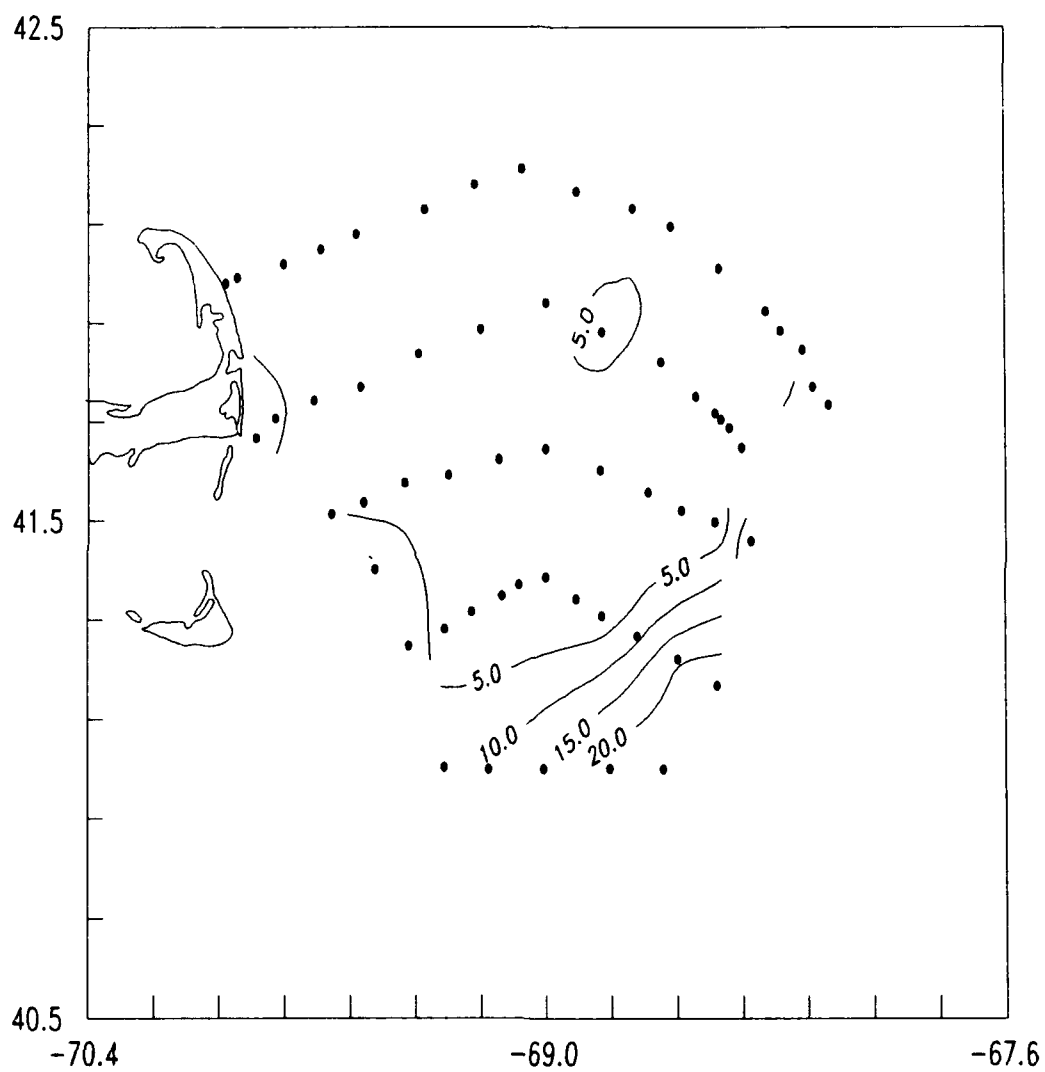
BOTTOM SALINITY JUN 7-12 1989



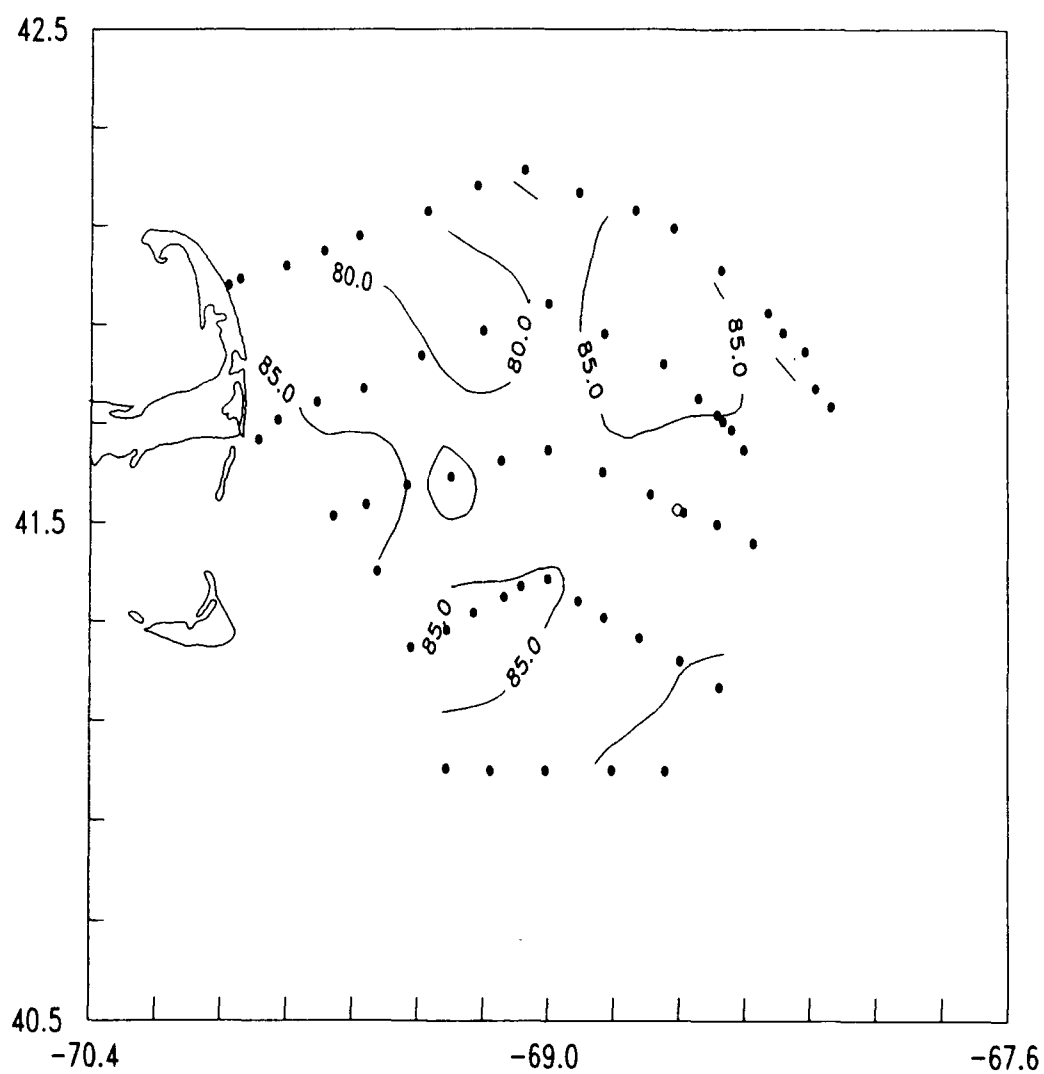
BOTTOM SIGMA-T JUN 7-12 1989



BOTTOM OXYGEN ML/L JUN 7-12 1989



BOTTOM FLUORESCENCE PCT JUN 7-12 1989

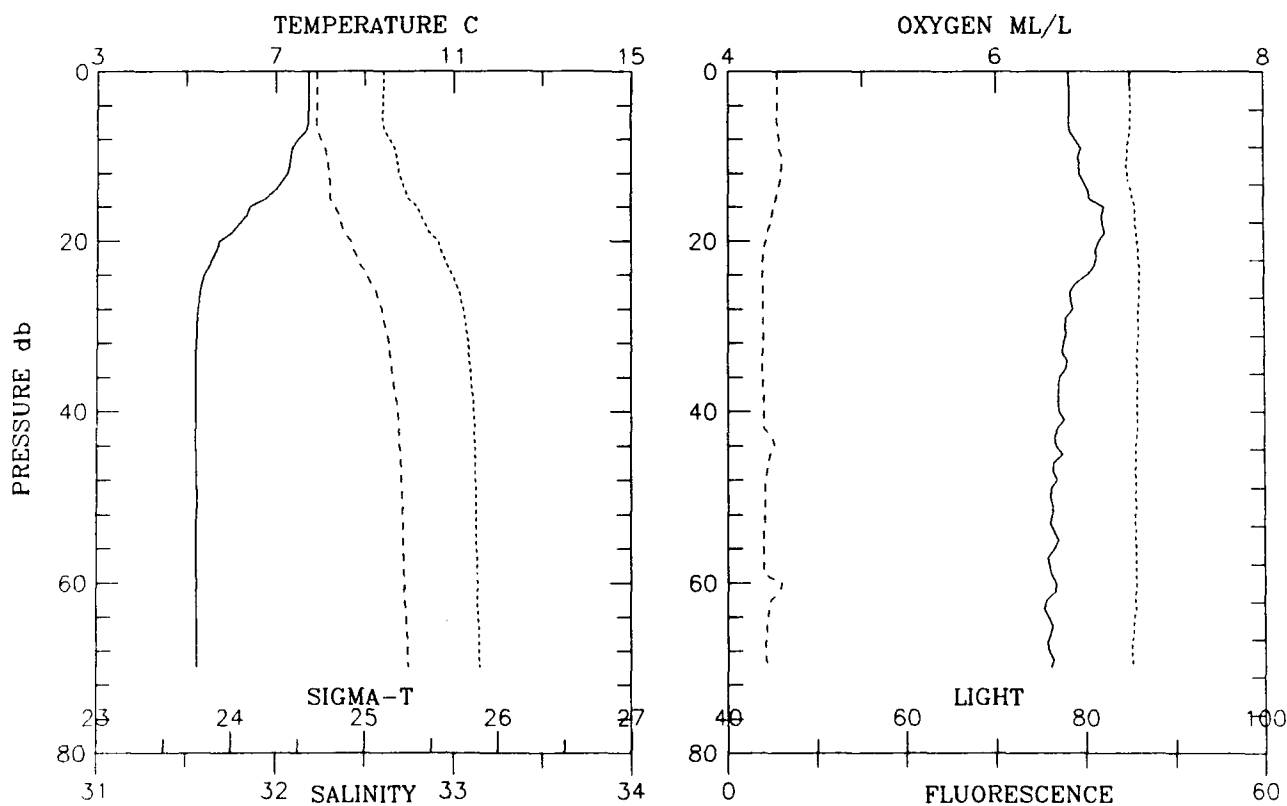


BOTTOM LIGHT PCT JUN 7-12 1989

8. Station Listings and Profiles

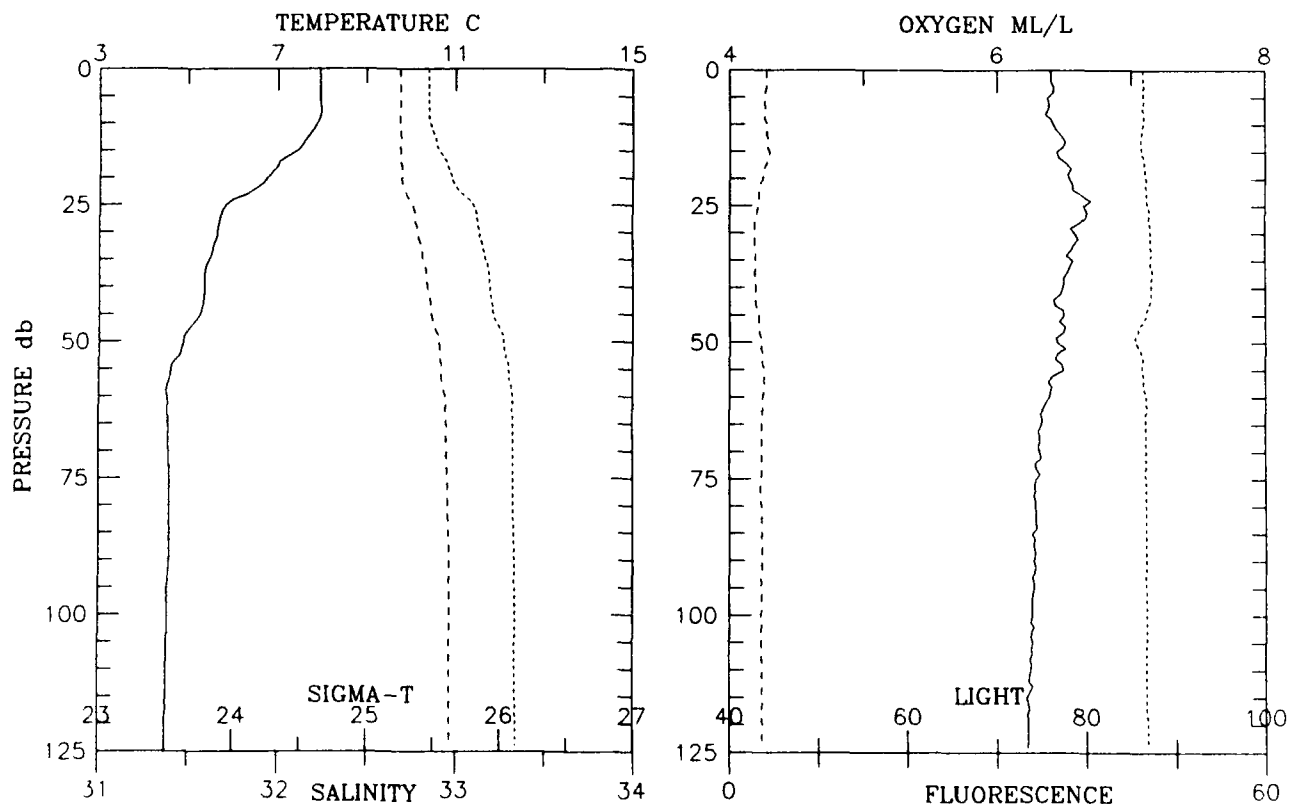
Cruise EN196 Consecutive Station # 1 Depth m:81 Time: 1989-05-18 23:11
 Position: 41° 17.40'N 69° 18.40'W Depth Deck Offset: -0.45 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 7.728 | 32.231 | 25.138 | 0.0000 | 6.545 | 5.5 |
| 5.0 | E | 7.728 | 32.228 | 25.136 | 0.0139 | 6.549 | 5.5 |
| 10.0 | | 7.340 | 32.287 | 25.236 | 0.0277 | 6.617 | 6.0 |
| 15.0 | | 6.788 | 32.307 | 25.326 | 0.0410 | 6.700 | 5.4 |
| 20.0 | | 5.736 | 32.422 | 25.547 | 0.0535 | 6.770 | 4.2 |
| 25.0 | | 5.346 | 32.536 | 25.683 | 0.0652 | 6.595 | 3.9 |
| 30.0 | | 5.236 | 32.611 | 25.756 | 0.0763 | 6.516 | 3.9 |
| 35.0 | | 5.212 | 32.653 | 25.792 | 0.0872 | 6.520 | 3.8 |
| 40.0 | | 5.214 | 32.684 | 25.816 | 0.0980 | 6.466 | 4.0 |
| 45.0 | | 5.234 | 32.703 | 25.829 | 0.1086 | 6.496 | 4.7 |
| 50.0 | | 5.241 | 32.712 | 25.835 | 0.1193 | 6.401 | 4.1 |
| 55.0 | | 5.234 | 32.717 | 25.840 | 0.1299 | 6.462 | 4.0 |
| 60.0 | | 5.238 | 32.725 | 25.846 | 0.1405 | 6.441 | 6.0 |
| 65.0 | | 5.243 | 32.740 | 25.857 | 0.1510 | 6.421 | 4.3 |
| 70.0 | | 5.241 | 32.746 | 25.862 | 0.1616 | 6.404 | 4.6 |



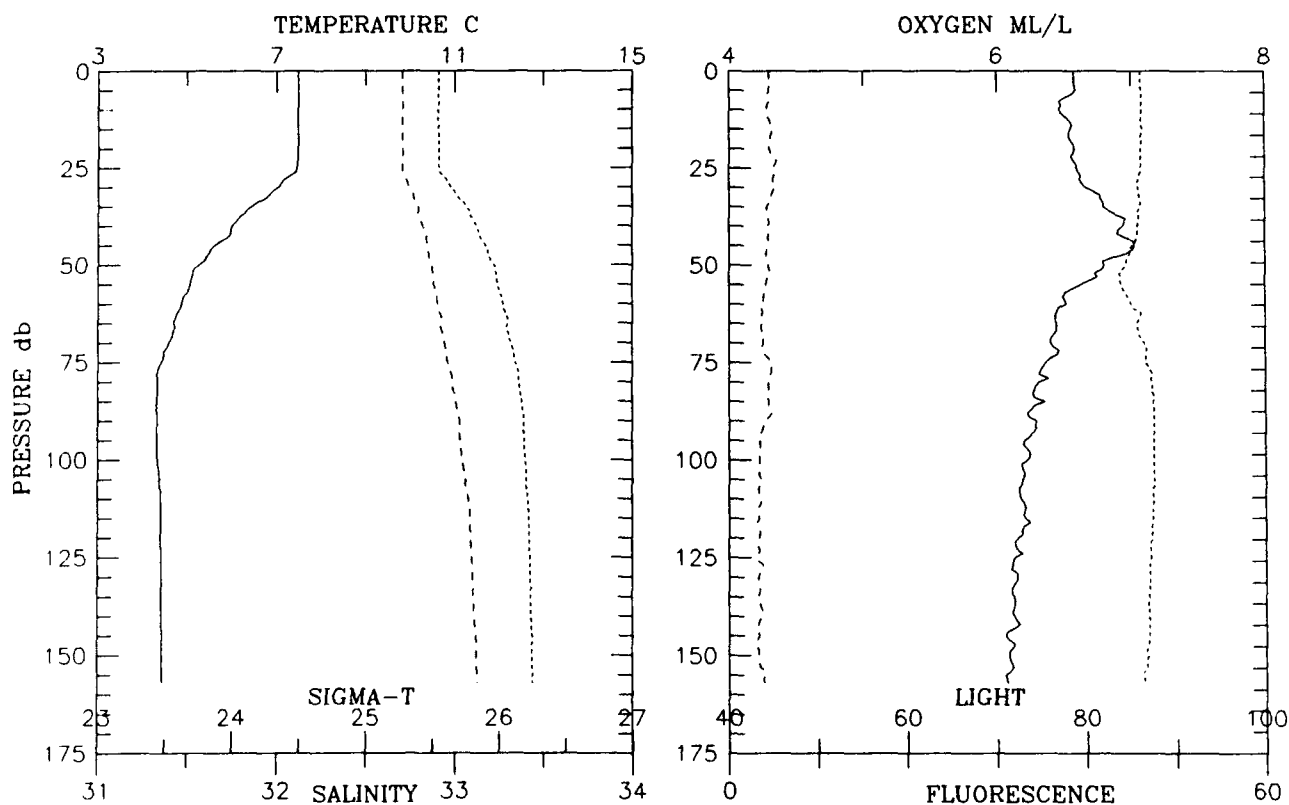
Cruise EN196 Consecutive Station # 2 Depth m:130 Time: 1989-05-19 02:27
 Position: 41° 20.05'N 69° 11.62'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 7.953 | 32.690 | 25.467 | 0.0000 | 6.400 | 4.1 |
| 10.0 | | 7.883 | 32.687 | 25.475 | 0.0248 | 6.418 | 4.1 |
| 20.0 | | 6.776 | 32.698 | 25.636 | 0.0487 | 6.534 | 3.6 |
| 30.0 | | 5.646 | 32.788 | 25.848 | 0.0706 | 6.577 | 2.8 |
| 40.0 | | 5.357 | 32.841 | 25.923 | 0.0913 | 6.487 | 2.9 |
| 50.0 | | 4.896 | 32.908 | 26.028 | 0.1113 | 6.446 | 3.6 |
| 60.0 | | 4.532 | 32.942 | 26.095 | 0.1304 | 6.384 | 3.7 |
| 70.0 | | 4.569 | 32.953 | 26.099 | 0.1491 | 6.317 | 3.6 |
| 80.0 | | 4.591 | 32.957 | 26.100 | 0.1678 | 6.281 | 3.6 |
| 90.0 | | 4.575 | 32.965 | 26.108 | 0.1865 | 6.268 | 3.6 |
| 100.0 | | 4.550 | 32.968 | 26.113 | 0.2052 | 6.259 | 3.5 |
| 110.0 | | 4.535 | 32.969 | 26.116 | 0.2238 | 6.250 | 3.7 |
| 120.0 | | 4.503 | 32.970 | 26.120 | 0.2424 | 6.227 | 3.7 |
| 124.0 | | 4.498 | 32.970 | 26.120 | 0.2498 | 6.222 | 3.7 |



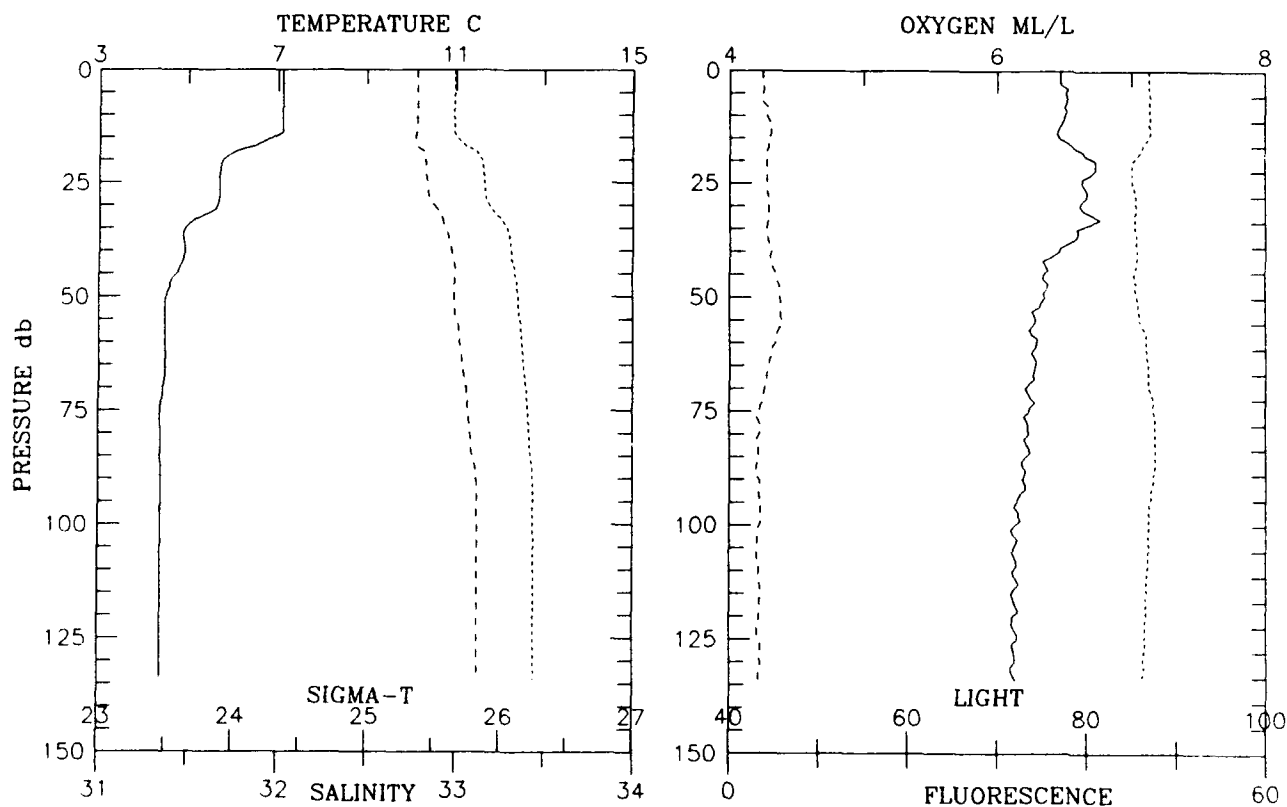
Cruise EN196 Consecutive Station # 3 Depth m:1.3 Time: 1989-05-19 04:09
 Position: 41° 22.24'N 69° 4.74'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 7.489 | 32.707 | 25.546 | 0.0000 | 6.579 | 4.5 | 86.1 |
| 10.0 | 7.492 | 32.705 | 25.544 | 0.0240 | 6.461 | 4.2 | 86.2 |
| 20.0 | 7.473 | 32.706 | 25.548 | 0.0480 | 6.579 | 4.5 | 86.1 |
| 30.0 | 7.038 | 32.743 | 25.636 | 0.0718 | 6.661 | 5.1 | 85.8 |
| 40.0 | 5.994 | 32.821 | 25.832 | 0.0939 | 6.940 | 4.4 | 85.7 |
| 50.0 | 5.257 | 32.871 | 25.959 | 0.1147 | 6.799 | 4.3 | 84.4 |
| 60.0 | 4.873 | 32.901 | 26.026 | 0.1344 | 6.516 | 3.6 | 85.0 |
| 70.0 | 4.589 | 32.944 | 26.090 | 0.1535 | 6.400 | 3.8 | 86.5 |
| 80.0 | 4.336 | 32.988 | 26.152 | 0.1720 | 6.313 | 4.4 | 87.3 |
| 90.0 | 4.324 | 33.026 | 26.183 | 0.1901 | 6.292 | 4.1 | 87.5 |
| 100.0 | 4.337 | 33.041 | 26.194 | 0.2080 | 6.225 | 3.4 | 87.5 |
| 110.0 | 4.415 | 33.077 | 26.215 | 0.2258 | 6.176 | 3.5 | 87.4 |
| 120.0 | 4.417 | 33.089 | 26.224 | 0.2434 | 6.152 | 3.3 | 87.2 |
| 130.0 | 4.426 | 33.099 | 26.231 | 0.2610 | 6.146 | 3.2 | 87.0 |
| 140.0 | 4.430 | 33.107 | 26.237 | 0.2785 | 6.128 | 3.6 | 86.9 |
| 150.0 | 4.437 | 33.121 | 26.247 | 0.2959 | 6.088 | 3.3 | 86.8 |
| 157.0 | 4.438 | 33.124 | 26.249 | 0.3081 | 6.076 | 3.9 | 86.4 |



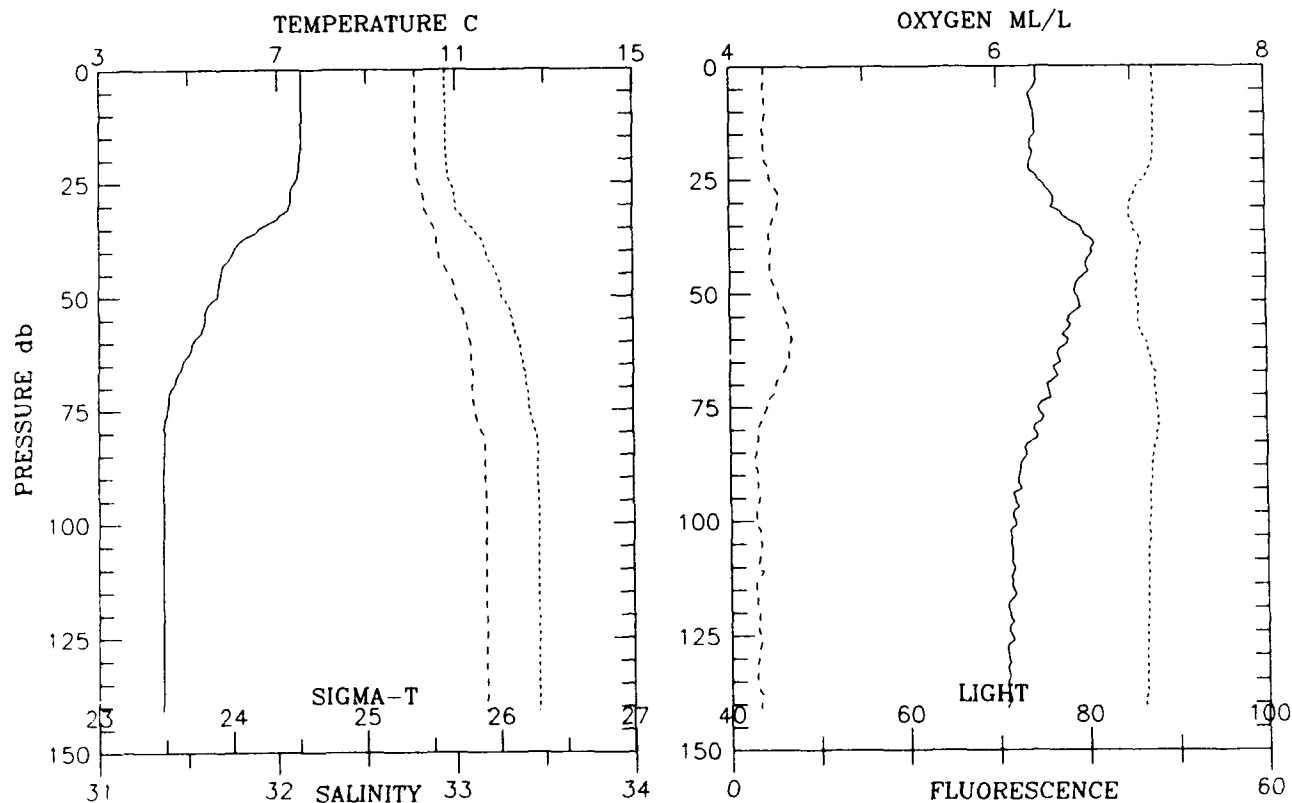
Cruise EN196 Consecutive Station # 4 Depth m:142 Time: 1989-05-19 05:56
 Position: 41° 19.90'W 69° 56.19'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 7.109 | 32.782 | 25.657 | 0.0000 | 6.471 | 3.7 | 87.0 |
| 10.0 | | 7.110 | 32.781 | 25.656 | 0.0229 | 6.508 | 4.2 | 87.1 |
| 20.0 | | 5.784 | 32.832 | 25.866 | 0.0453 | 6.733 | 4.2 | 85.2 |
| 30.0 | | 5.658 | 32.876 | 25.916 | 0.0660 | 6.611 | 4.3 | 85.5 |
| 40.0 | | 4.910 | 32.975 | 26.080 | 0.0854 | 6.455 | 4.6 | 85.6 |
| 50.0 | | 4.508 | 32.995 | 26.139 | 0.1040 | 6.356 | 5.6 | 85.6 |
| 60.0 | | 4.489 | 33.024 | 26.165 | 0.1222 | 6.292 | 5.1 | 86.6 |
| 70.0 | | 4.447 | 33.062 | 26.199 | 0.1402 | 6.211 | 3.9 | 87.0 |
| 80.0 | | 4.392 | 33.085 | 26.223 | 0.1579 | 6.233 | 3.3 | 87.6 |
| 90.0 | | 4.395 | 33.116 | 26.248 | 0.1753 | 6.185 | 3.3 | 87.4 |
| 100.0 | | 4.404 | 33.124 | 26.253 | 0.1926 | 6.128 | 3.4 | 86.9 |
| 110.0 | | 4.404 | 33.125 | 26.254 | 0.2099 | 6.115 | 3.3 | 86.7 |
| 120.0 | | 4.402 | 33.125 | 26.254 | 0.2272 | 6.112 | 3.3 | 86.6 |
| 130.0 | | 4.400 | 33.125 | 26.254 | 0.2445 | 6.130 | 3.5 | 86.2 |
| 134.0 | | 4.399 | 33.125 | 26.254 | 0.2515 | 6.133 | 3.2 | 86.0 |



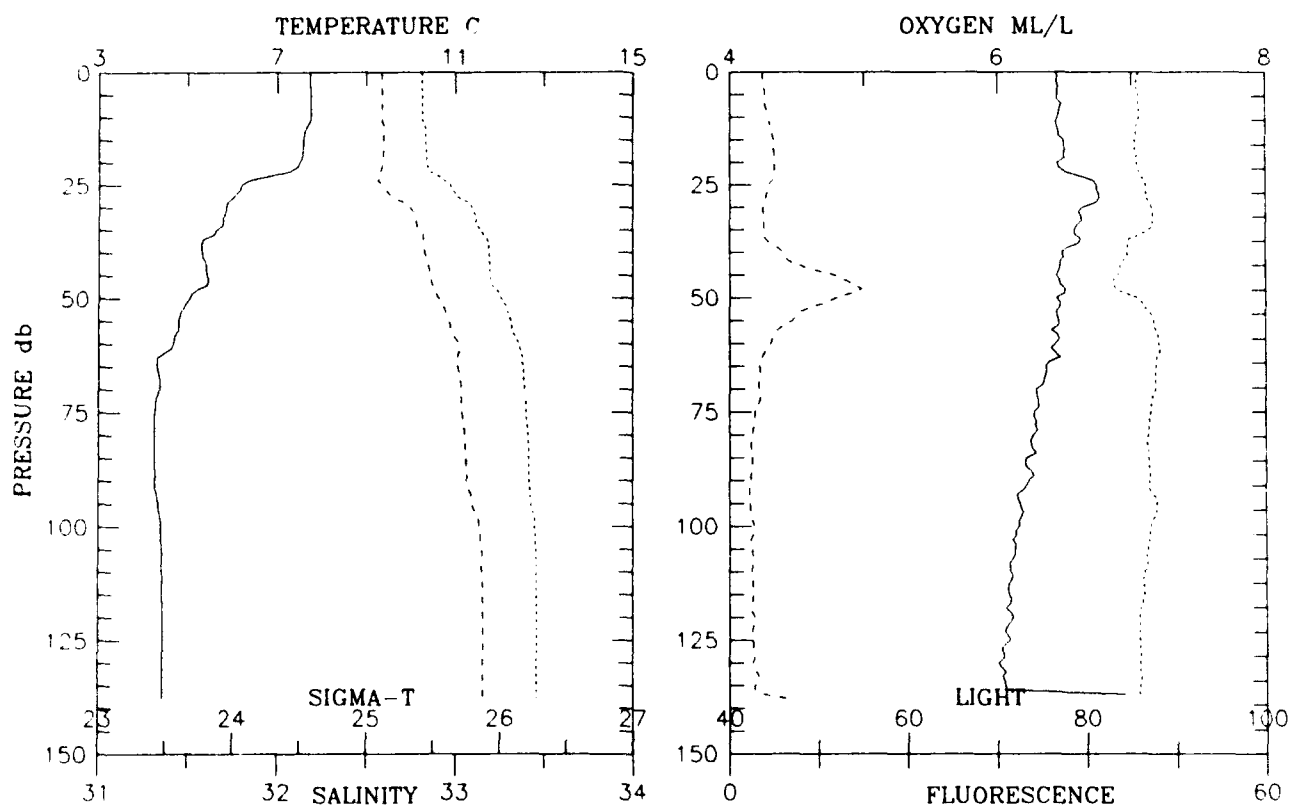
Cruise EN196 Consecutive Station # 5 Depth m:145 Time: 1989-05-19 11:24
 Position: 41° 25.60'N 69° 51.75'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 7.549 | 32.777 | 25.593 | 0.0000 | 6.296 | 3.9 | 87.5 |
| 10.0 | 7.537 | 32.776 | 25.594 | 0.0235 | 6.278 | 4.0 | 87.5 |
| 20.0 | 7.495 | 32.780 | 25.602 | 0.0471 | 6.260 | 4.0 | 87.3 |
| 30.0 | 7.284 | 32.826 | 25.668 | 0.0703 | 6.417 | 5.4 | 84.8 |
| 40.0 | 6.012 | 32.901 | 25.893 | 0.0920 | 6.695 | 4.6 | 85.8 |
| 50.0 | 5.668 | 33.001 | 26.014 | 0.1120 | 6.581 | 5.4 | 85.4 |
| 60.0 | 5.093 | 33.082 | 26.144 | 0.1308 | 6.519 | 6.9 | 86.4 |
| 70.0 | 4.653 | 33.093 | 26.202 | 0.1489 | 6.366 | 5.1 | 87.5 |
| 80.0 | 4.468 | 33.148 | 26.265 | 0.1664 | 6.265 | 3.1 | 87.8 |
| 90.0 | 4.451 | 33.166 | 26.281 | 0.1834 | 6.153 | 3.0 | 87.1 |
| 100.0 | 4.442 | 33.169 | 26.285 | 0.2004 | 6.118 | 2.9 | 86.7 |
| 110.0 | 4.439 | 33.169 | 26.285 | 0.2174 | 6.112 | 3.0 | 86.6 |
| 120.0 | 4.437 | 33.170 | 26.286 | 0.2344 | 6.075 | 3.1 | 86.6 |
| 130.0 | 4.439 | 33.170 | 26.286 | 0.2514 | 6.063 | 3.0 | 86.4 |
| 140.0 | 4.441 | 33.171 | 26.286 | 0.2685 | 6.065 | 3.2 | 86.2 |
| 141.0 | 4.442 | 33.171 | 26.286 | 0.2702 | 6.053 | 3.3 | 86.2 |



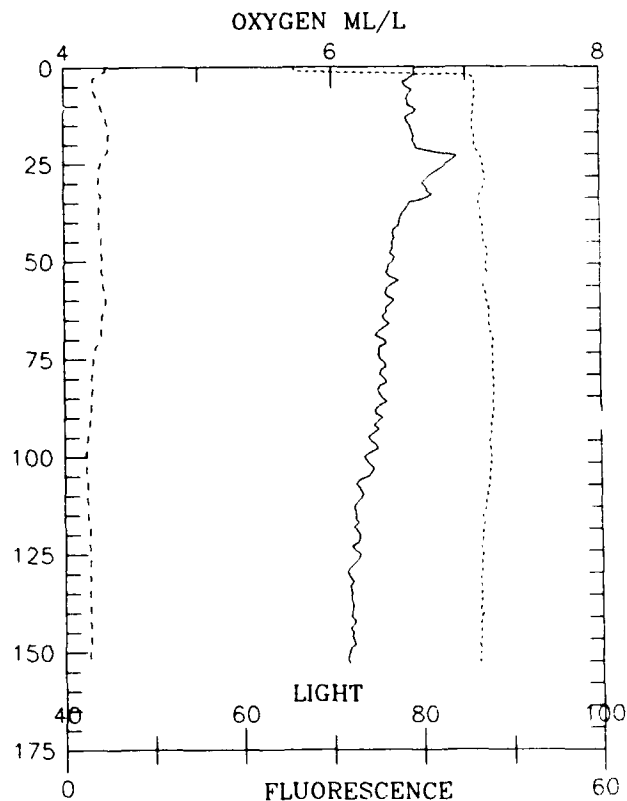
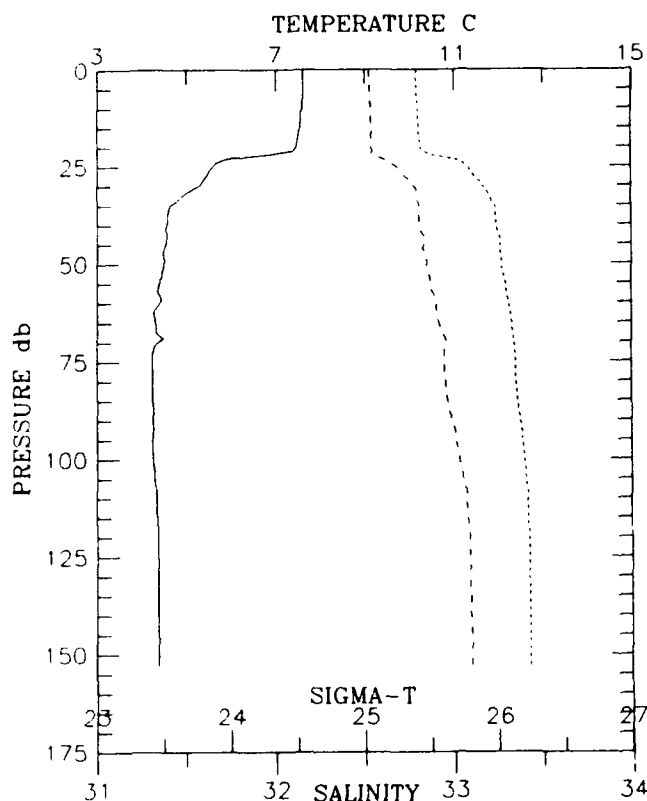
Cruise EN196 Consecutive Station # 6 Depth m:145 Time: 1989-05-19 13:58
 Position: 41° 28.54'N 69° 5.19'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 7.736 | 32.587 | 25.417 | 0.0000 | 6.444 | 3.7 | 85.7 |
| 10.0 | 7.738 | 32.587 | 25.417 | 0.0252 | 6.447 | 4.3 | 85.8 |
| 20.0 | 7.498 | 32.591 | 25.453 | 0.0502 | 6.448 | 5.0 | 85.6 |
| 30.0 | 5.849 | 32.744 | 25.789 | 0.0736 | 6.631 | 3.7 | 87.2 |
| 40.0 | 5.311 | 32.828 | 25.919 | 0.0946 | 6.482 | 6.0 | 84.5 |
| 50.0 | 5.033 | 32.903 | 26.009 | 0.1148 | 6.438 | 11.9 | 85.7 |
| 60.0 | 4.677 | 33.021 | 26.142 | 0.1337 | 6.432 | 4.6 | 88.0 |
| 70.0 | 4.369 | 33.031 | 26.183 | 0.1518 | 6.285 | 3.2 | 87.6 |
| 80.0 | 4.251 | 33.053 | 26.212 | 0.1696 | 6.268 | 2.5 | 86.8 |
| 90.0 | 4.263 | 33.064 | 26.220 | 0.1872 | 6.231 | 2.3 | 86.9 |
| 100.0 | 4.392 | 33.133 | 26.261 | 0.2046 | 6.160 | 2.7 | 87.1 |
| 110.0 | 4.432 | 33.152 | 26.272 | 0.2218 | 6.098 | 2.5 | 86.4 |
| 120.0 | 4.438 | 33.156 | 26.275 | 0.2389 | 6.111 | 2.8 | 85.8 |
| 130.0 | 4.438 | 33.155 | 26.274 | 0.2560 | 6.007 | 2.6 | 85.9 |
| 138.0 | 4.437 | 33.155 | 26.274 | 0.2697 | 15.152 | 6.9 | 86.2 |



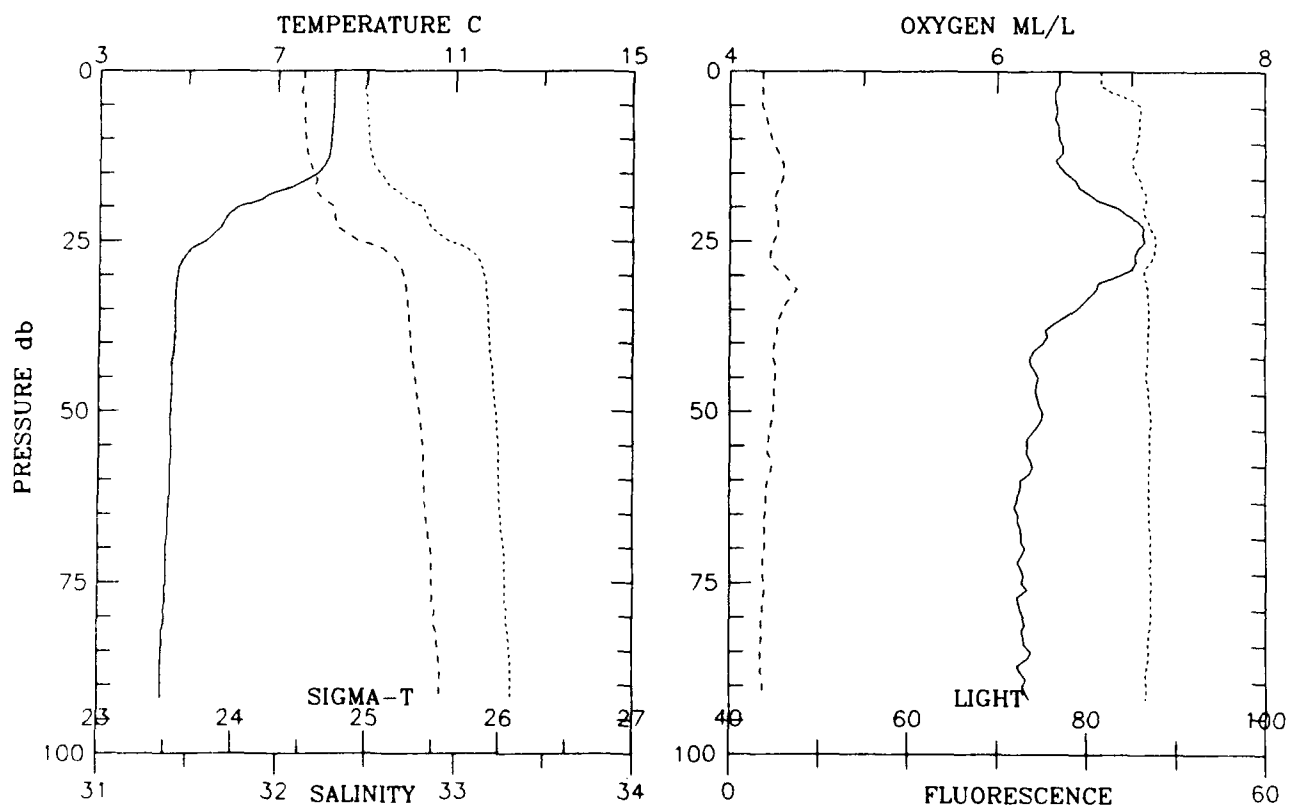
Cruise EN196 Consecutive Station # 7 Depth m:165 Time: 1989-05-19 15:15
 Position: 41° 28.63'N 69° 10.05'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 7.619 | 32.525 | 25.385 | 0.0000 | 6.620 | 4.7 | 65.9 |
| 10.0 | 7.582 | 32.532 | 25.395 | 0.0255 | 6.575 | 4.1 | 85.9 |
| 20.0 | 7.463 | 32.537 | 25.417 | 0.0508 | 6.626 | 5.1 | 86.0 |
| 30.0 | 5.299 | 32.773 | 25.876 | 0.0733 | 6.677 | 3.8 | 87.1 |
| 40.0 | 4.562 | 32.803 | 25.982 | 0.0934 | 6.499 | 3.9 | 86.7 |
| 50.0 | 4.507 | 32.850 | 26.025 | 0.1129 | 6.454 | 4.2 | 87.2 |
| 60.0 | 4.400 | 32.904 | 26.079 | 0.1321 | 6.460 | 4.6 | 87.2 |
| 70.0 | 4.375 | 32.954 | 26.121 | 0.1509 | 6.381 | 4.0 | 87.9 |
| 80.0 | 4.237 | 32.953 | 26.134 | 0.1693 | 6.386 | 3.0 | 88.0 |
| 90.0 | 4.255 | 32.991 | 26.162 | 0.1876 | 6.364 | 2.9 | 87.8 |
| 100.0 | 4.250 | 33.030 | 26.194 | 0.2056 | 6.235 | 2.4 | 87.7 |
| 110.0 | 4.340 | 33.075 | 26.220 | 0.2233 | 6.222 | 2.5 | 87.2 |
| 120.0 | 4.363 | 33.086 | 26.227 | 0.2409 | 6.191 | 2.7 | 86.6 |
| 130.0 | 4.368 | 33.088 | 26.228 | 0.2585 | 6.108 | 2.7 | 86.4 |
| 140.0 | 4.369 | 33.091 | 26.230 | 0.2760 | 6.131 | 2.8 | 86.6 |
| 150.0 | 4.378 | 33.098 | 26.235 | 0.2935 | 6.118 | 2.7 | 86.3 |
| 153.0 | 4.379 | 33.100 | 26.236 | 0.2988 | 6.119 | 2.7 | 86.2 |



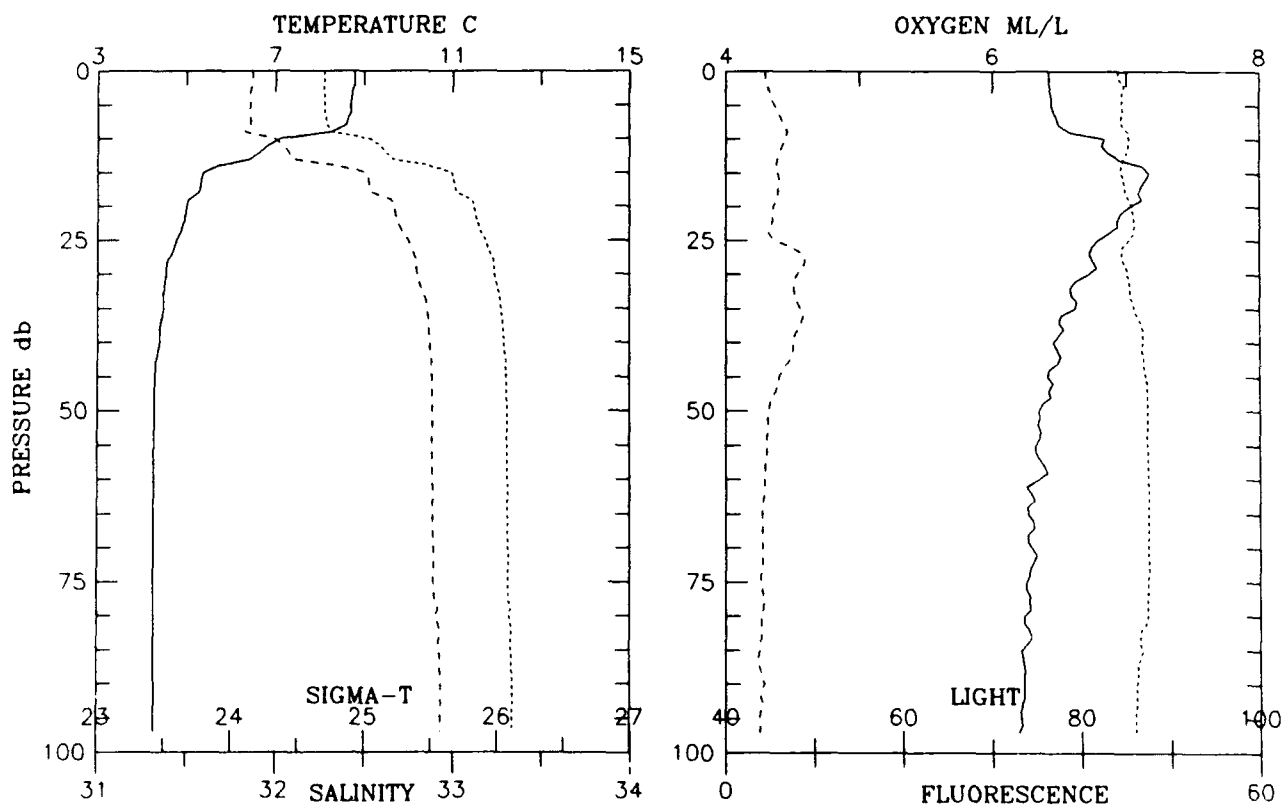
Cruise EN196 Consecutive Station # 8 Depth m:95 Time: 1989-05-19 16:57
 Position: 41° 28.60'N 69° 17.93'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 8.255 | 32.143 | 24.994 | 0.0000 | 6.461 | 3.7 |
| 5.0 | | 8.260 | 32.150 | 24.999 | 0.0146 | 6.444 | 3.6 |
| 10.0 | | 8.179 | 32.153 | 25.013 | 0.0292 | 6.463 | 4.7 |
| 15.0 | | 7.887 | 32.202 | 25.094 | 0.0436 | 6.517 | 6.1 |
| 20.0 | | 6.129 | 32.314 | 25.415 | 0.0571 | 6.888 | 5.1 |
| 25.0 | | 5.386 | 32.451 | 25.612 | 0.0694 | 7.095 | 4.9 |
| 30.0 | | 4.761 | 32.705 | 25.882 | 0.0802 | 6.900 | 6.3 |
| 35.0 | | 4.709 | 32.734 | 25.911 | 0.0905 | 6.583 | 5.9 |
| 40.0 | | 4.694 | 32.748 | 25.923 | 0.1007 | 6.342 | 5.0 |
| 45.0 | | 4.649 | 32.775 | 25.950 | 0.1108 | 6.306 | 5.1 |
| 50.0 | | 4.617 | 32.798 | 25.972 | 0.1208 | 6.338 | 4.9 |
| 55.0 | | 4.614 | 32.816 | 25.987 | 0.1308 | 6.218 | 4.2 |
| 60.0 | | 4.604 | 32.824 | 25.994 | 0.1406 | 6.169 | 4.2 |
| 65.0 | | 4.574 | 32.838 | 26.008 | 0.1505 | 6.159 | 4.0 |
| 70.0 | | 4.520 | 32.864 | 26.034 | 0.1602 | 6.206 | 3.9 |
| 75.0 | | 4.510 | 32.868 | 26.039 | 0.1699 | 6.175 | 3.8 |
| 80.0 | | 4.484 | 32.880 | 26.051 | 0.1795 | 6.192 | 3.6 |
| 85.0 | | 4.432 | 32.906 | 26.077 | 0.1890 | 6.247 | 3.5 |
| 90.0 | | 4.411 | 32.916 | 26.087 | 0.1985 | 6.188 | 3.7 |
| 92.0 | | 4.412 | 32.915 | 26.086 | 0.2022 | 6.235 | 3.5 |



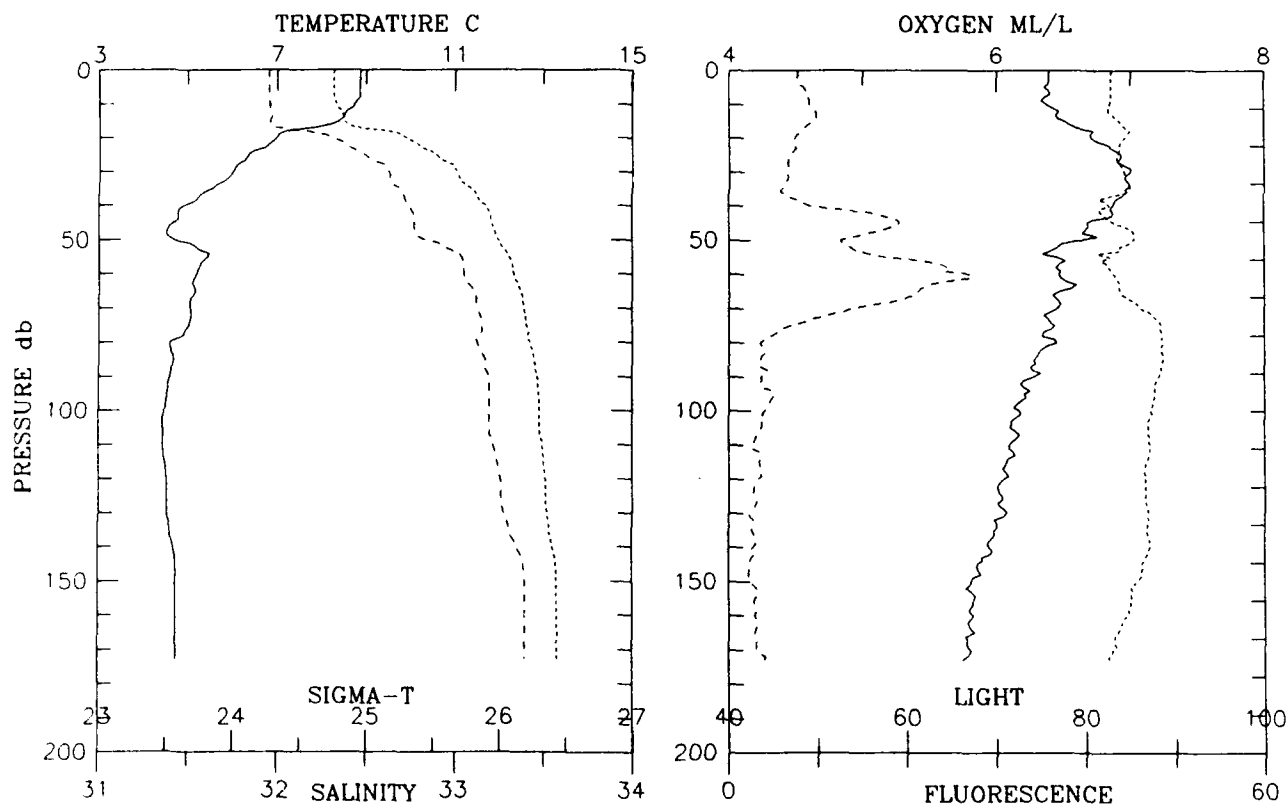
Cruise EN196 Consecutive Station # 9 Depth m:102 Time: 1989-05-19 18:51
 Position: 41° 34.17'N 69° 22.65'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%light) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 8.786 | 31.869 | 24.700 | 0.0000 | 6.421 | 4.4 | 84.1 |
| 5.0 | 8.698 | 31.858 | 24.705 | 0.0160 | 6.441 | 5.5 | 84.5 |
| 10.0 | 7.102 | 31.994 | 25.038 | 0.0318 | 6.837 | 6.6 | 85.3 |
| 15.0 | 5.379 | 32.507 | 25.657 | 0.0451 | 7.170 | 5.9 | 84.5 |
| 20.0 | 5.003 | 32.668 | 25.827 | 0.0563 | 7.027 | 5.3 | 85.6 |
| 25.0 | 4.776 | 32.751 | 25.917 | 0.0668 | 6.787 | 5.5 | 85.2 |
| 30.0 | 4.540 | 32.798 | 25.980 | 0.0768 | 6.715 | 8.0 | 85.1 |
| 35.0 | 4.484 | 32.858 | 26.033 | 0.0866 | 6.617 | 8.4 | 85.9 |
| 40.0 | 4.404 | 32.869 | 26.050 | 0.0962 | 6.452 | 7.5 | 86.8 |
| 45.0 | 4.301 | 32.884 | 26.073 | 0.1057 | 6.411 | 6.0 | 87.2 |
| 50.0 | 4.283 | 32.885 | 26.075 | 0.1152 | 6.345 | 4.8 | 87.3 |
| 55.0 | 4.280 | 32.885 | 26.076 | 0.1246 | 6.320 | 4.7 | 87.3 |
| 60.0 | 4.266 | 32.886 | 26.078 | 0.1341 | 6.343 | 4.3 | 87.4 |
| 65.0 | 4.262 | 32.889 | 26.080 | 0.1435 | 6.268 | 4.1 | 87.5 |
| 70.0 | 4.262 | 32.891 | 26.082 | 0.1530 | 6.294 | 4.1 | 87.4 |
| 75.0 | 4.263 | 32.894 | 26.084 | 0.1624 | 6.251 | 4.0 | 87.4 |
| 80.0 | 4.264 | 32.901 | 26.090 | 0.1718 | 6.234 | 4.0 | 87.3 |
| 85.0 | 4.272 | 32.924 | 26.107 | 0.1812 | 6.217 | 3.8 | 86.8 |
| 90.0 | 4.277 | 32.932 | 26.113 | 0.1905 | 6.233 | 4.3 | 86.1 |
| 95.0 | 4.277 | 32.933 | 26.114 | 0.1998 | 6.217 | 3.8 | 86.0 |
| 97.0 | 4.277 | 32.933 | 26.114 | 0.2035 | 6.193 | 3.8 | 86.0 |



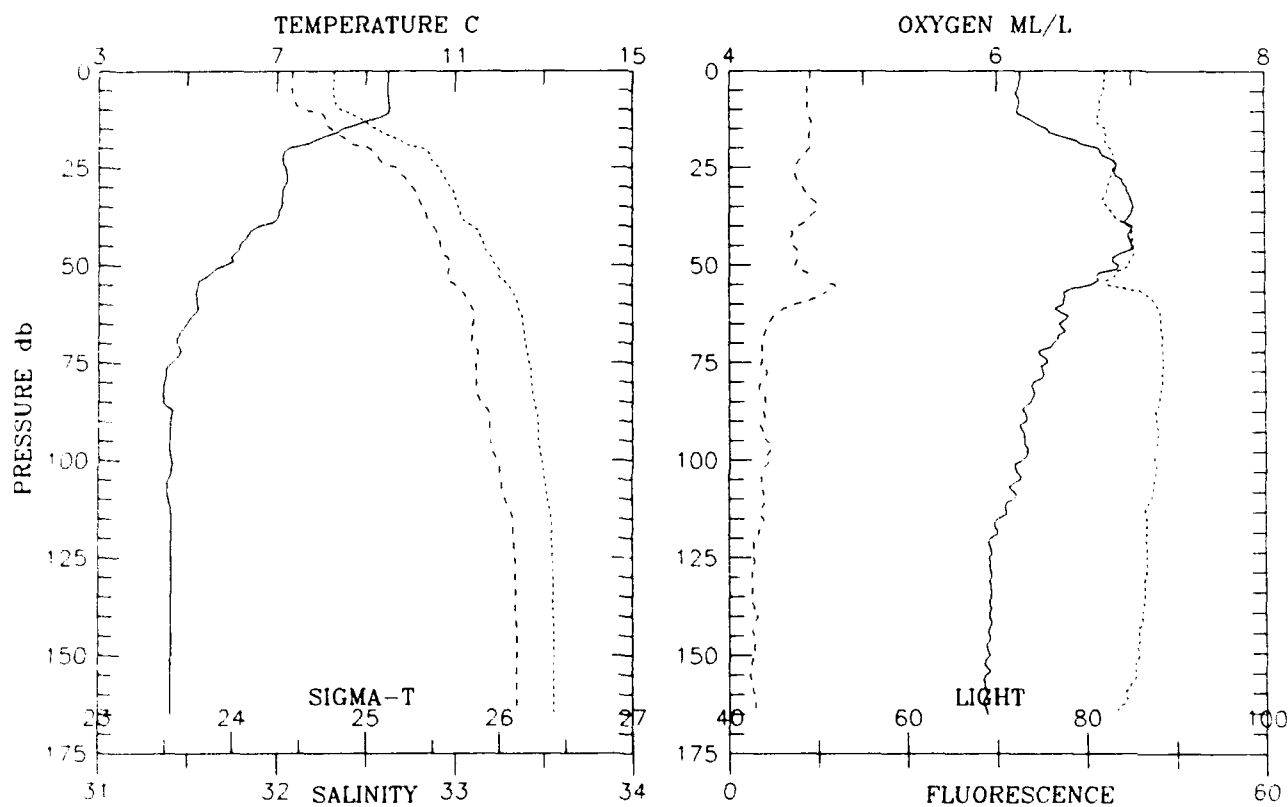
Cruise EN196 Consecutive Station # 10 Depth m:178 Time: 1989-05-19 21:17
 Position: 41° 37.27'N 69° 13.17'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 8.859 | 31.955 | 24.757 | 0.0000 | 6.389 | 7.7 | 82.8 |
| 10.0 | 8.735 | 31.958 | 24.777 | 0.0315 | 6.372 | 9.0 | 82.7 |
| 20.0 | 6.993 | 32.303 | 25.296 | 0.0614 | 6.702 | 7.4 | 84.3 |
| 30.0 | 6.007 | 32.622 | 25.673 | 0.0858 | 6.994 | 6.4 | 84.3 |
| 40.0 | 4.928 | 32.743 | 25.894 | 0.1076 | 6.868 | 9.1 | 82.7 |
| 50.0 | 4.652 | 32.822 | 25.987 | 0.1278 | 6.624 | 12.6 | 85.3 |
| 60.0 | 5.193 | 33.049 | 26.107 | 0.1469 | 6.469 | 27.3 | 83.1 |
| 70.0 | 5.056 | 33.127 | 26.184 | 0.1651 | 6.451 | 13.9 | 86.2 |
| 80.0 | 4.608 | 33.125 | 26.232 | 0.1829 | 6.448 | 3.5 | 88.6 |
| 90.0 | 4.599 | 33.192 | 26.286 | 0.2001 | 6.275 | 3.6 | 88.1 |
| 100.0 | 4.468 | 33.192 | 26.300 | 0.2170 | 6.171 | 4.0 | 87.2 |
| 110.0 | 4.444 | 33.218 | 26.323 | 0.2338 | 6.091 | 2.7 | 87.1 |
| 120.0 | 4.529 | 33.257 | 26.345 | 0.2503 | 6.051 | 3.2 | 86.6 |
| 130.0 | 4.534 | 33.271 | 26.356 | 0.2667 | 6.072 | 2.3 | 86.9 |
| 140.0 | 4.692 | 33.349 | 26.401 | 0.2829 | 5.942 | 2.7 | 87.1 |
| 150.0 | 4.743 | 33.394 | 26.431 | 0.2987 | 5.811 | 2.4 | 85.7 |
| 160.0 | 4.741 | 33.395 | 26.432 | 0.3143 | 5.827 | 2.9 | 84.6 |
| 170.0 | 4.744 | 33.396 | 26.433 | 0.3300 | 5.806 | 3.1 | 83.0 |
| 173.0 | 4.744 | 33.396 | 26.433 | 0.3347 | 5.744 | 4.0 | 82.5 |



Cruise EN196 Consecutive Station # 11 Depth m:170 Time: 1989-05-19 22:38
 Position: 41° 40.54'N 69° 4.39'W Depth Deck Offset: -0.33 Fish 1

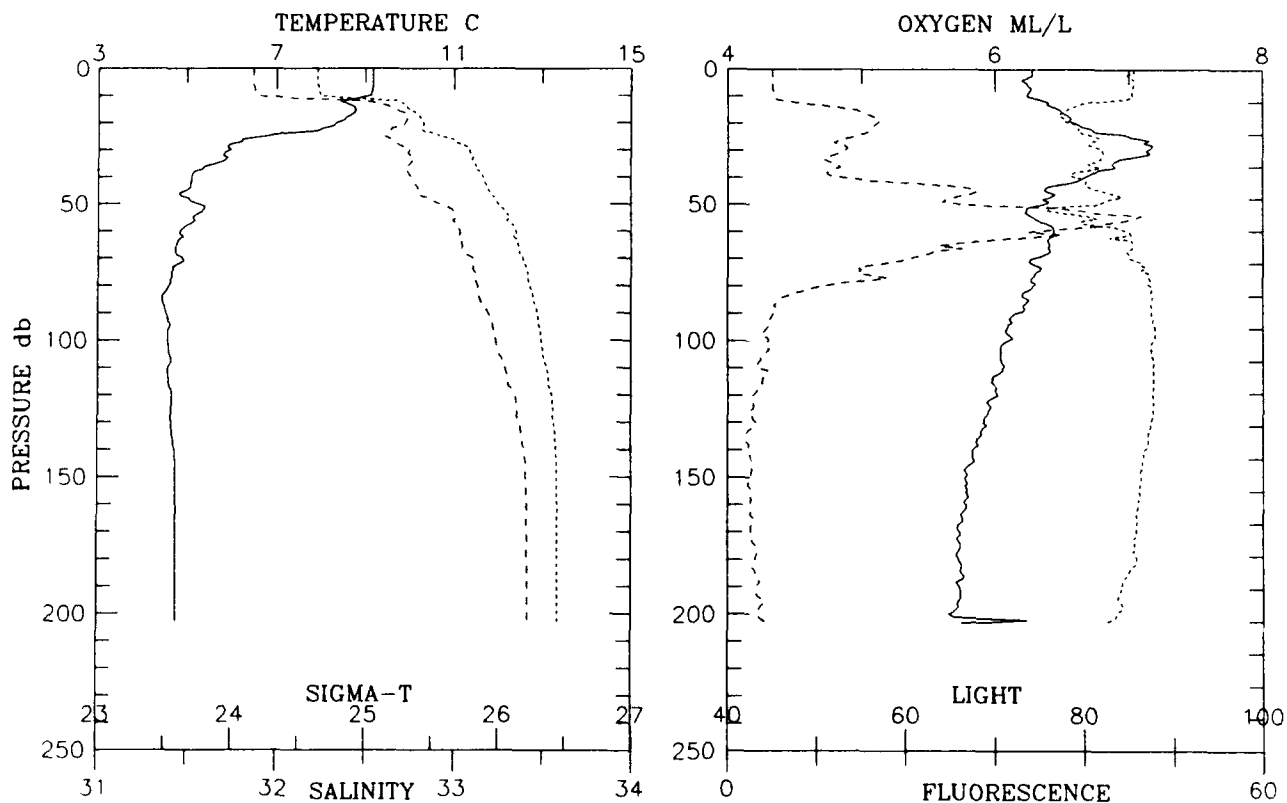
| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.492 | 32.084 | 24.759 | 0.0000 | 6.175 | 9.1 | 82.1 |
| 10.0 | | 9.526 | 32.151 | 24.806 | 0.0315 | 6.154 | 8.8 | 81.6 |
| 20.0 | | 7.282 | 32.514 | 25.423 | 0.0598 | 6.750 | 9.0 | 82.6 |
| 30.0 | | 7.148 | 32.758 | 25.634 | 0.0839 | 6.966 | 8.3 | 82.3 |
| 40.0 | | 6.588 | 32.875 | 25.800 | 0.1065 | 7.012 | 7.7 | 84.8 |
| 50.0 | | 5.825 | 32.968 | 25.969 | 0.1273 | 6.903 | 7.3 | 84.8 |
| 60.0 | | 5.210 | 33.086 | 26.135 | 0.1464 | 6.495 | 7.3 | 87.7 |
| 70.0 | | 4.769 | 33.098 | 26.193 | 0.1645 | 6.418 | 3.7 | 88.4 |
| 80.0 | | 4.473 | 33.118 | 26.241 | 0.1821 | 6.268 | 3.5 | 88.4 |
| 90.0 | | 4.623 | 33.196 | 26.287 | 0.1993 | 6.214 | 3.8 | 87.8 |
| 100.0 | | 4.637 | 33.232 | 26.314 | 0.2162 | 6.181 | 4.4 | 87.5 |
| 110.0 | | 4.570 | 33.282 | 26.361 | 0.2326 | 6.117 | 4.3 | 87.2 |
| 120.0 | | 4.641 | 33.329 | 26.390 | 0.2487 | 5.949 | 2.8 | 86.6 |
| 130.0 | | 4.630 | 33.338 | 26.399 | 0.2647 | 5.952 | 2.5 | 86.5 |
| 140.0 | | 4.628 | 33.342 | 26.402 | 0.2806 | 5.941 | 3.2 | 86.2 |
| 150.0 | | 4.626 | 33.345 | 26.405 | 0.2966 | 5.939 | 2.7 | 85.7 |
| 160.0 | | 4.625 | 33.346 | 26.406 | 0.3125 | 5.921 | 2.9 | 84.3 |
| 165.0 | | 4.625 | 33.346 | 26.406 | 0.3204 | 5.926 | 2.8 | 83.0 |



Cruise EN196 Consecutive Station # 12 Depth m:209 Time: 1989-05-20 00:58
 Position: 41° 49.08'N 69° 10.62'W Depth Deck Offset: -0.33 Fish 1

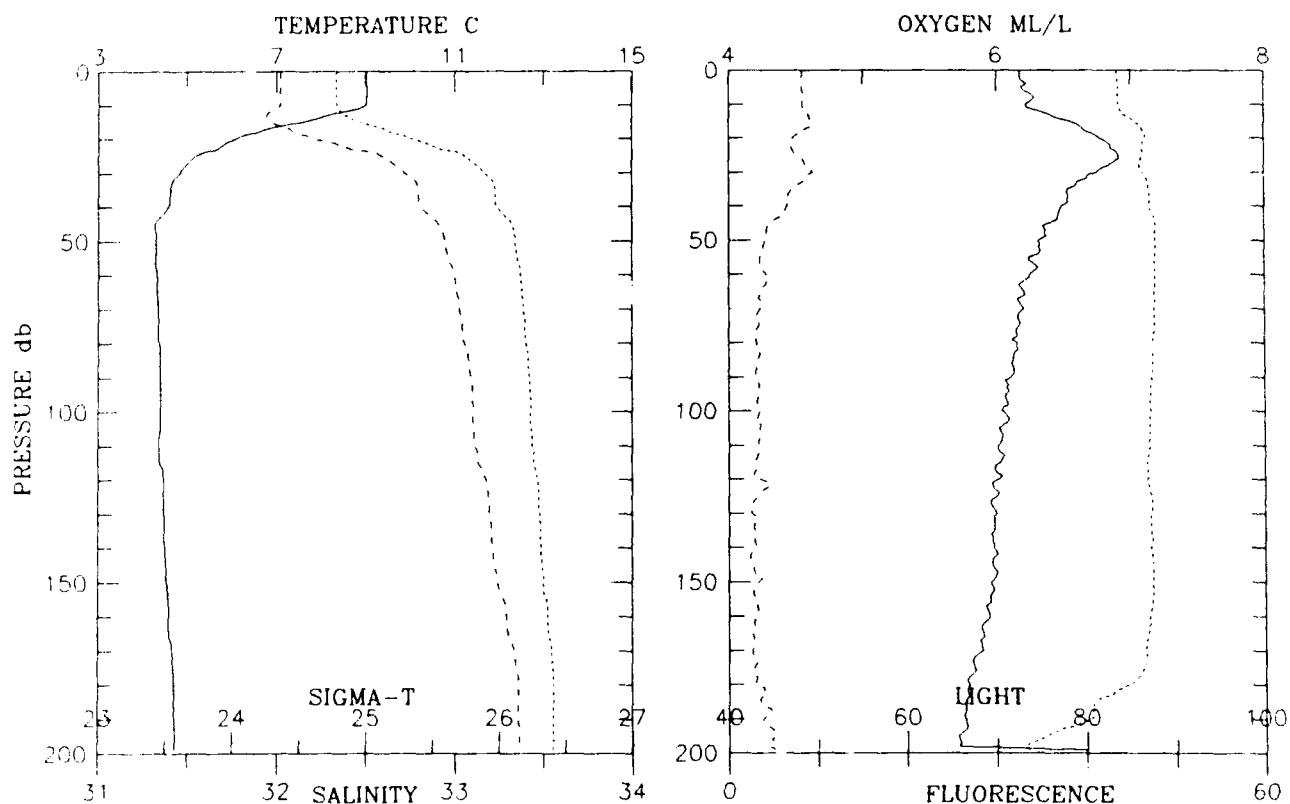
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|-------|--------|--------|--------|-------|------|
| 0.0 | E | 9.174 | 31.869 | 24.641 | 0.0000 | 6.277 | 5.0 |
| 10.0 | | 9.124 | 31.884 | 24.661 | 0.0326 | 6.240 | 5.2 |
| 20.0 | | 8.346 | 32.721 | 25.433 | 0.0592 | 6.605 | 16.7 |
| 30.0 | | 5.968 | 32.752 | 25.781 | 0.0829 | 7.127 | 13.1 |
| 40.0 | | 5.101 | 32.757 | 25.886 | 0.1042 | 6.663 | 13.0 |
| 50.0 | | 5.231 | 32.918 | 25.999 | 0.1245 | 6.355 | 27.4 |
| 60.0 | | 4.843 | 33.034 | 26.134 | 0.1435 | 6.439 | 33.7 |
| 70.0 | | 4.898 | 33.105 | 26.184 | 0.1617 | 6.262 | 20.2 |
| 80.0 | | 4.607 | 33.135 | 26.240 | 0.1794 | 6.284 | 10.5 |
| 90.0 | | 4.530 | 33.194 | 26.295 | 0.1965 | 6.146 | 5.1 |
| 100.0 | | 4.572 | 33.238 | 26.325 | 0.2133 | 6.089 | 4.6 |
| 110.0 | | 4.581 | 33.290 | 26.366 | 0.2298 | 6.052 | 3.4 |
| 120.0 | | 4.663 | 33.346 | 26.401 | 0.2459 | 6.017 | 2.8 |
| 130.0 | | 4.664 | 33.371 | 26.421 | 0.2617 | 5.912 | 3.2 |
| 140.0 | | 4.738 | 33.399 | 26.435 | 0.2774 | 5.831 | 2.6 |
| 150.0 | | 4.754 | 33.407 | 26.440 | 0.2930 | 5.775 | 2.5 |
| 160.0 | | 4.756 | 33.411 | 26.443 | 0.3086 | 5.785 | 2.5 |
| 170.0 | | 4.757 | 33.412 | 26.444 | 0.3242 | 5.740 | 2.6 |
| 180.0 | | 4.760 | 33.414 | 26.445 | 0.3397 | 5.730 | 3.1 |
| 190.0 | | 4.764 | 33.415 | 26.445 | 0.3553 | 5.732 | 3.2 |
| 200.0 | | 4.764 | 33.415 | 26.445 | 0.3709 | 5.652 | 3.6 |
| 203.0 | | 4.763 | 33.415 | 26.445 | 0.3755 | 5.742 | 4.4 |



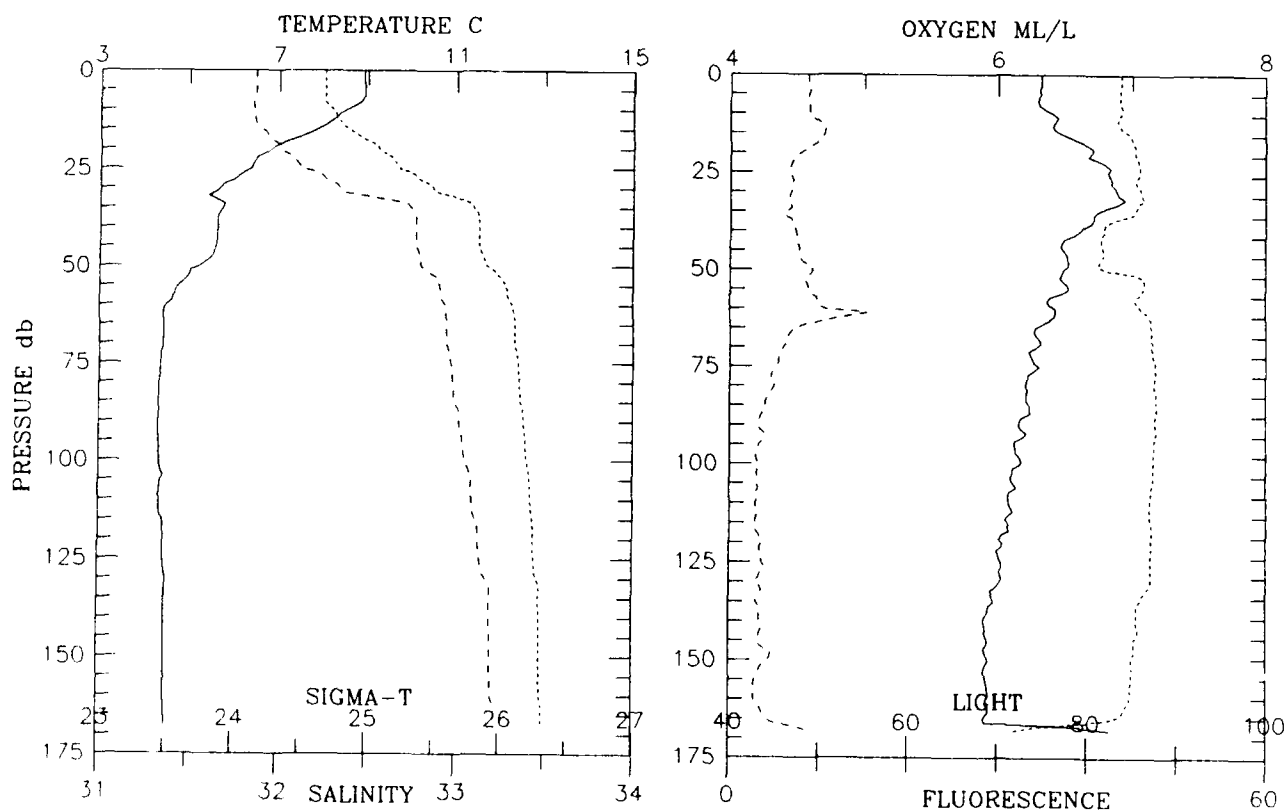
Cruise EN196 Consecutive Station # 13 Dep:h m:205 Time: 1989-05-20 00:04
 Position: 41° 49.08'N 69° 10.62'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.019 | 32.022 | 24.784 | 0.0000 | 6.176 | 83.5 |
| 10.0 | | 9.005 | 32.019 | 24.784 | 0.0313 | 6.218 | 83.7 |
| 20.0 | | 6.086 | 32.215 | 25.343 | 0.0604 | 6.768 | 86.6 |
| 30.0 | | 4.827 | 32.719 | 25.886 | 0.0831 | 6.746 | 86.3 |
| 40.0 | | 4.581 | 32.810 | 25.985 | 0.1031 | 6.492 | 87.1 |
| 50.0 | | 4.299 | 32.943 | 26.120 | 0.1220 | 6.310 | 87.7 |
| 60.0 | | 4.318 | 32.997 | 26.161 | 0.1404 | 6.250 | 87.6 |
| 70.0 | | 4.337 | 33.026 | 26.182 | 0.1584 | 6.207 | 87.6 |
| 80.0 | | 4.367 | 33.056 | 26.203 | 0.1762 | 6.157 | 87.5 |
| 90.0 | | 4.400 | 33.092 | 26.227 | 0.1938 | 6.104 | 87.3 |
| 100.0 | | 4.403 | 33.103 | 26.236 | 0.2113 | 6.038 | 87.2 |
| 110.0 | | 4.354 | 33.109 | 26.246 | 0.2287 | 6.013 | 87.1 |
| 120.0 | | 4.473 | 33.176 | 26.286 | 0.2459 | 6.014 | 86.8 |
| 130.0 | | 4.473 | 33.196 | 26.302 | 0.2628 | 6.001 | 87.2 |
| 140.0 | | 4.499 | 33.213 | 26.313 | 0.2796 | 5.978 | 87.2 |
| 150.0 | | 4.546 | 33.242 | 26.331 | 0.2963 | 5.959 | 87.4 |
| 160.0 | | 4.583 | 33.289 | 26.365 | 0.3127 | 5.944 | 87.0 |
| 170.0 | | 4.661 | 33.333 | 26.391 | 0.3290 | 5.892 | 86.6 |
| 180.0 | | 4.711 | 33.359 | 26.407 | 0.3449 | 5.798 | 84.8 |
| 190.0 | | 4.713 | 33.360 | 26.407 | 0.3609 | 5.769 | 80.5 |
| 199.0 | | 4.717 | 33.361 | 26.407 | 0.3752 | 6.662 | 73.5 |



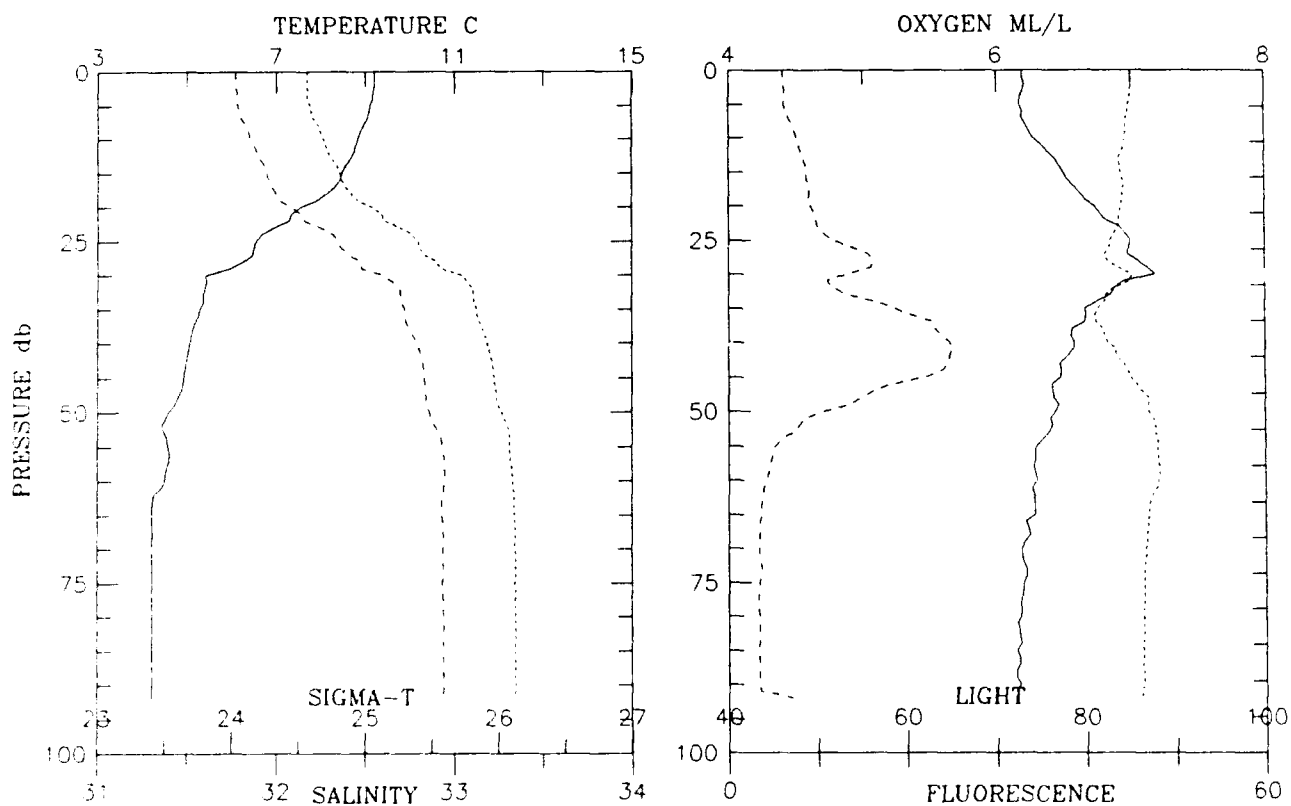
Cruise EN196 Consecutive Station # 14 Depth m:175 Time: 1989-05-20 04:49
 Position: 41° 42.14'M 69° 23.26'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 8.913 | 31.870 | 24.682 | 0.0000 | 6.320 | 8.7 | 83.8 |
| 10.0 | 8.520 | 31.865 | 24.737 | 0.0322 | 6.409 | 8.9 | 83.8 |
| 20.0 | 6.844 | 32.005 | 25.081 | 0.0625 | 6.701 | 7.9 | 85.4 |
| 30.0 | 5.695 | 32.343 | 25.491 | 0.0890 | 6.890 | 6.8 | 86.0 |
| 40.0 | 5.629 | 32.773 | 25.838 | 0.1111 | 6.614 | 7.3 | 81.9 |
| 50.0 | 5.253 | 32.801 | 25.904 | 0.1321 | 6.488 | 9.3 | 82.1 |
| 60.0 | 4.510 | 32.943 | 26.098 | 0.1516 | 6.431 | 10.6 | 86.0 |
| 70.0 | 4.431 | 32.951 | 26.112 | 0.1702 | 6.285 | 6.0 | 87.2 |
| 80.0 | 4.355 | 32.986 | 26.148 | 0.1886 | 6.211 | 5.0 | 87.5 |
| 90.0 | 4.332 | 33.020 | 26.178 | 0.2067 | 6.157 | 3.3 | 87.6 |
| 100.0 | 4.349 | 33.053 | 26.202 | 0.2246 | 6.168 | 3.2 | 87.4 |
| 110.0 | 4.352 | 33.092 | 26.233 | 0.2422 | 6.086 | 2.9 | 87.0 |
| 120.0 | 4.457 | 33.132 | 26.253 | 0.2596 | 6.040 | 3.6 | 87.2 |
| 130.0 | 4.520 | 33.173 | 26.279 | 0.2768 | 6.015 | 2.9 | 87.1 |
| 140.0 | 4.496 | 33.198 | 26.302 | 0.2937 | 5.899 | 3.4 | 85.5 |
| 150.0 | 4.497 | 33.202 | 26.305 | 0.3106 | 5.932 | 4.4 | 85.0 |
| 160.0 | 4.495 | 33.205 | 26.307 | 0.3274 | 5.920 | 2.8 | 84.8 |
| 168.0 | 4.522 | 33.229 | 26.323 | 0.3408 | 6.839 | 9.1 | 71.9 |



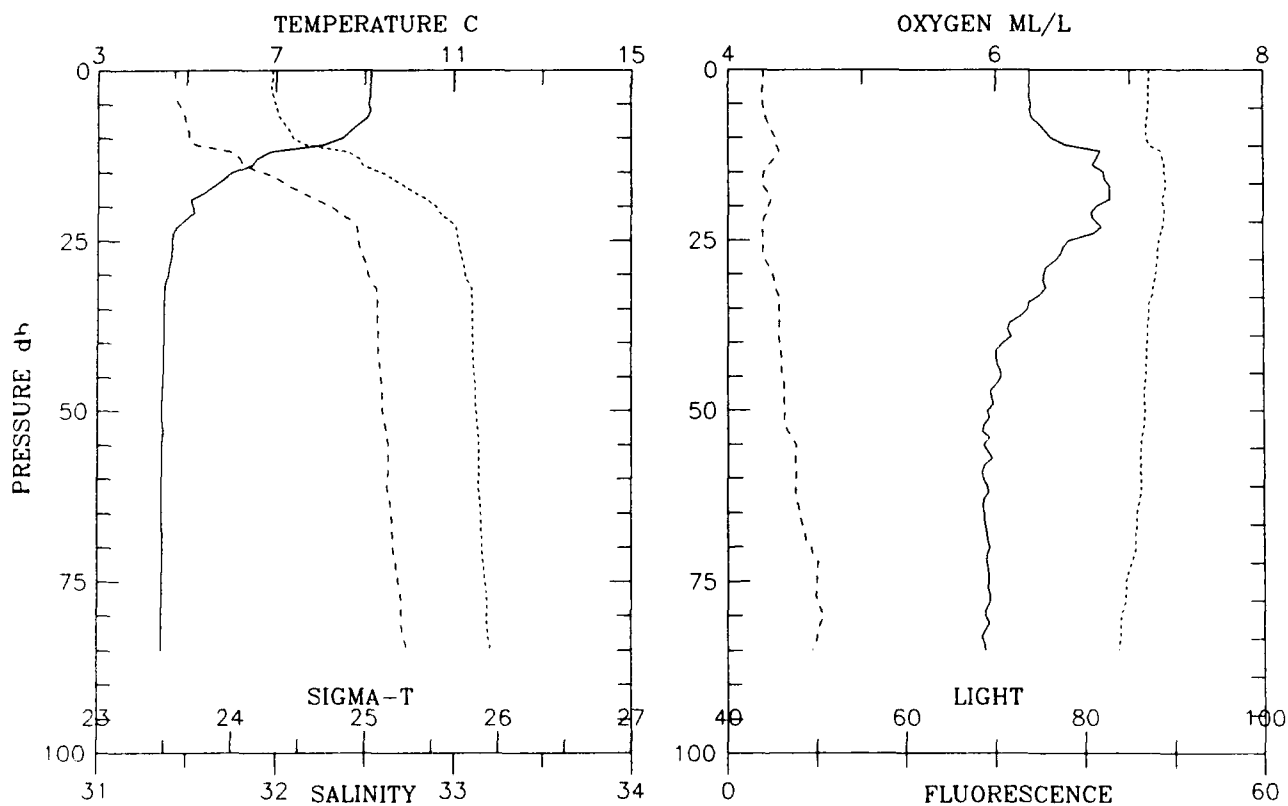
Cruise EN196 Consecutive Station # 15 Depth m:95 Time: 1989-05-20 06:52
 Position: 41° 39.30'N 69° 33.44'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE | Interp | TEMP | SALINITY | SIGMA-T | DELTA-D | OXYGEN | CHANNELA | CHANNELB |
|----------|--------|---------|----------|---------|---------|--------|----------|----------|
| (d-bars) | | (deg C) | (0/00) | | | (ml/l) | (%fluor) | (%light) |
| 0.0 | E | 9.198 | 31.772 | 24.561 | 0.0000 | 6.196 | 6.1 | 85.1 |
| 5.0 | | 9.110 | 31.787 | 24.587 | 0.0167 | 6.177 | 6.2 | 84.8 |
| 10.0 | | 8.831 | 31.856 | 24.683 | 0.0330 | 6.275 | 7.6 | 84.3 |
| 15.0 | | 8.477 | 31.948 | 24.809 | 0.0488 | 6.499 | 8.7 | 83.9 |
| 20.0 | | 7.547 | 32.087 | 25.051 | 0.0640 | 6.733 | 9.2 | 83.9 |
| 25.0 | | 6.542 | 32.348 | 25.390 | 0.0775 | 6.994 | 11.5 | 82.7 |
| 30.0 | | 5.413 | 32.597 | 25.724 | 0.0897 | 7.178 | 13.2 | 85.1 |
| 35.0 | | 5.293 | 32.721 | 25.836 | 0.1005 | 6.662 | 18.6 | 81.3 |
| 40.0 | | 5.069 | 32.787 | 25.913 | 0.1110 | 6.573 | 24.7 | 82.4 |
| 45.0 | | 4.929 | 32.831 | 25.964 | 0.1211 | 6.474 | 22.1 | 84.9 |
| 50.0 | | 4.591 | 32.859 | 26.022 | 0.1310 | 6.436 | 10.8 | 87.0 |
| 55.0 | | 4.582 | 32.931 | 26.081 | 0.1405 | 6.292 | 5.2 | 87.9 |
| 60.0 | | 4.498 | 32.943 | 26.099 | 0.1499 | 6.297 | 4.2 | 88.0 |
| 65.0 | | 4.223 | 32.930 | 26.117 | 0.1592 | 6.283 | 3.6 | 87.0 |
| 70.0 | | 4.227 | 32.936 | 26.122 | 0.1685 | 6.187 | 3.4 | 86.6 |
| 75.0 | | 4.227 | 32.930 | 26.117 | 0.1777 | 6.195 | 3.4 | 86.4 |
| 80.0 | | 4.227 | 32.939 | 26.124 | 0.1870 | 6.175 | 3.4 | 86.3 |
| 85.0 | | 4.227 | 32.939 | 26.124 | 0.1962 | 6.146 | 3.4 | 86.3 |
| 90.0 | | 4.226 | 32.939 | 26.124 | 0.2055 | 6.169 | 3.4 | 86.3 |
| 92.0 | | 4.226 | 32.936 | 26.122 | 0.2092 | 20.148 | 7.2 | 86.1 |



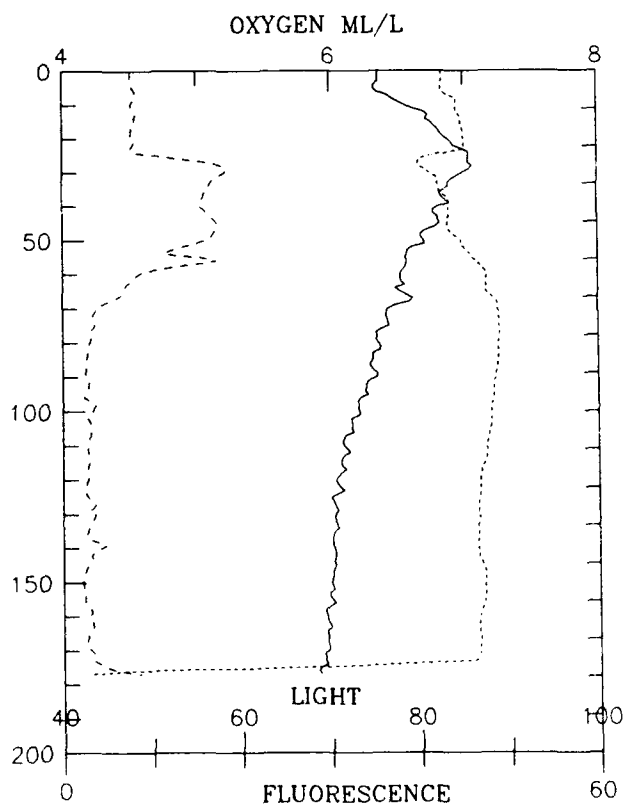
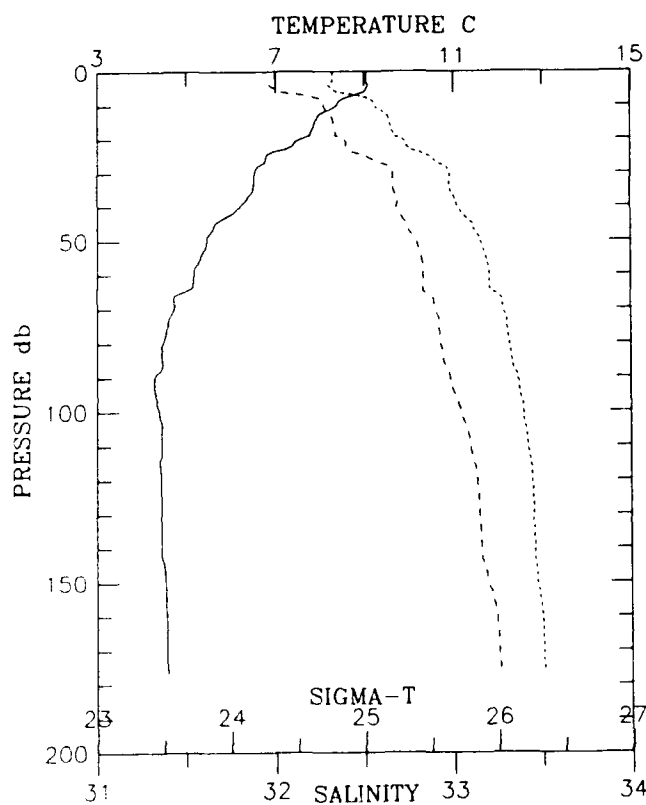
Cruise EN196 Consecutive Station # 16 Depth m:90 Time: 1989-05-20 09:50
 Position: 41° 45.69'N 69° 46.52'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE | Interp | TEMP | SALINITY | SIGMA-T | DELTA-D | OXYGEN | CHANNELA | CHANNELB |
|----------|--------|---------|----------|---------|---------|--------|----------|----------|
| (d-bars) | | (deg C) | (0/00) | | | (ml/l) | (%fluor) | (%light) |
| 0.0 | E | 9.133 | 31.429 | 24.303 | 0.0000 | 6.252 | 3.9 | 87.2 |
| 5.0 | | 9.092 | 31.457 | 24.331 | 0.0179 | 6.267 | 3.9 | 87.2 |
| 10.0 | | 8.498 | 31.509 | 24.461 | 0.0354 | 6.411 | 5.3 | 86.9 |
| 15.0 | | 6.007 | 31.927 | 25.124 | 0.0508 | 6.805 | 4.0 | 88.9 |
| 20.0 | | 5.132 | 32.313 | 25.531 | 0.0638 | 6.750 | 4.5 | 88.8 |
| 25.0 | | 4.676 | 32.463 | 25.699 | 0.0753 | 6.550 | 3.9 | 88.3 |
| 30.0 | | 4.593 | 32.516 | 25.750 | 0.0865 | 6.361 | 5.0 | 87.9 |
| 35.0 | | 4.486 | 32.569 | 25.803 | 0.0973 | 6.237 | 5.7 | 87.1 |
| 40.0 | | 4.482 | 32.574 | 25.808 | 0.1080 | 6.057 | 5.7 | 86.9 |
| 45.0 | | 4.468 | 32.592 | 25.823 | 0.1187 | 6.039 | 6.1 | 86.8 |
| 50.0 | | 4.435 | 32.599 | 25.833 | 0.1294 | 5.939 | 6.4 | 86.7 |
| 55.0 | | 4.448 | 32.629 | 25.855 | 0.1399 | 5.911 | 7.6 | 86.2 |
| 60.0 | | 4.448 | 32.625 | 25.852 | 0.1504 | 5.906 | 7.6 | 86.2 |
| 65.0 | | 4.449 | 32.648 | 25.871 | 0.1609 | 5.913 | 8.0 | 85.7 |
| 70.0 | | 4.454 | 32.657 | 25.876 | 0.1714 | 5.955 | 9.3 | 85.6 |
| 75.0 | | 4.449 | 32.686 | 25.901 | 0.1817 | 5.944 | 9.9 | 84.5 |
| 80.0 | | 4.449 | 32.708 | 25.918 | 0.1920 | 5.926 | 10.9 | 84.0 |
| 85.0 | | 4.436 | 32.740 | 25.945 | 0.2021 | 5.923 | 9.5 | 83.7 |



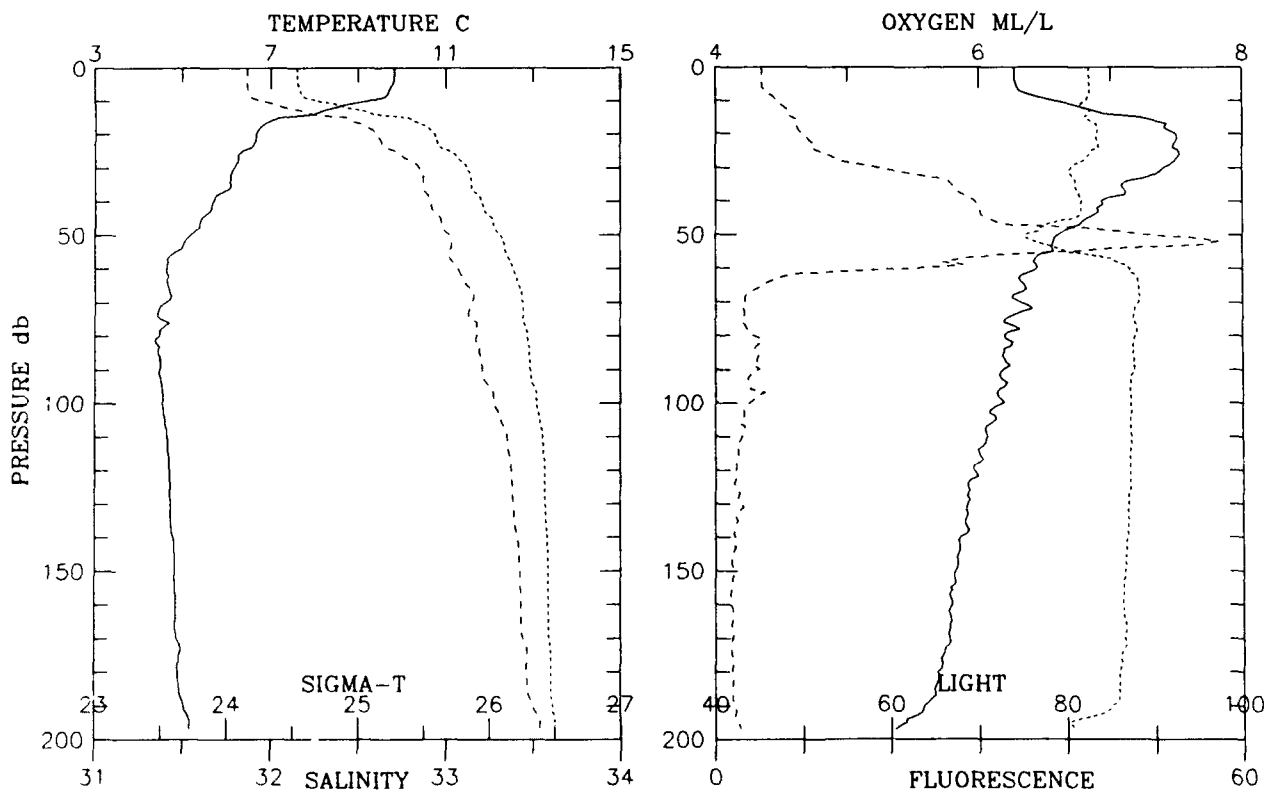
Cruise EN196 Consecutive Station # 17 Depth m:180 Time: 1989-05-20 11:55
 Position: 41° 49.25'N 69° 36.41'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.041 | 31.997 | 24.761 | 0.0000 | 6.364 | 7.7 |
| 10.0 | | 8.372 | 32.269 | 25.076 | 0.0306 | 6.564 | 7.7 |
| 20.0 | | 7.554 | 32.387 | 25.286 | 0.0581 | 6.884 | 7.8 |
| 30.0 | | 6.527 | 32.659 | 25.637 | 0.0829 | 6.992 | 18.2 |
| 40.0 | | 6.199 | 32.681 | 25.696 | 0.1058 | 6.815 | 15.5 |
| 50.0 | | 5.455 | 32.791 | 25.872 | 0.1275 | 6.705 | 15.9 |
| 60.0 | | 5.168 | 32.828 | 25.935 | 0.1480 | 6.526 | 8.5 |
| 70.0 | | 4.715 | 32.902 | 26.043 | 0.1679 | 6.435 | 3.8 |
| 80.0 | | 4.469 | 32.925 | 26.088 | 0.1869 | 6.361 | 3.0 |
| 90.0 | | 4.285 | 32.978 | 26.149 | 0.2055 | 6.345 | 2.6 |
| 100.0 | | 4.387 | 33.044 | 26.191 | 0.2236 | 6.216 | 3.3 |
| 110.0 | | 4.437 | 33.093 | 26.225 | 0.2413 | 6.101 | 2.8 |
| 120.0 | | 4.426 | 33.132 | 26.257 | 0.2587 | 6.035 | 2.7 |
| 130.0 | | 4.439 | 33.145 | 26.266 | 0.2759 | 6.032 | 3.6 |
| 140.0 | | 4.446 | 33.154 | 26.272 | 0.2931 | 6.022 | 4.1 |
| 150.0 | | 4.529 | 33.190 | 26.292 | 0.3101 | 6.003 | 2.1 |
| 160.0 | | 4.557 | 33.241 | 26.329 | 0.3269 | 5.966 | 2.8 |
| 170.0 | | 4.566 | 33.254 | 26.338 | 0.3435 | 5.972 | 3.1 |
| 177.0 | | 4.584 | 33.261 | 26.342 | 0.3551 | 5.919 | 8.6 |



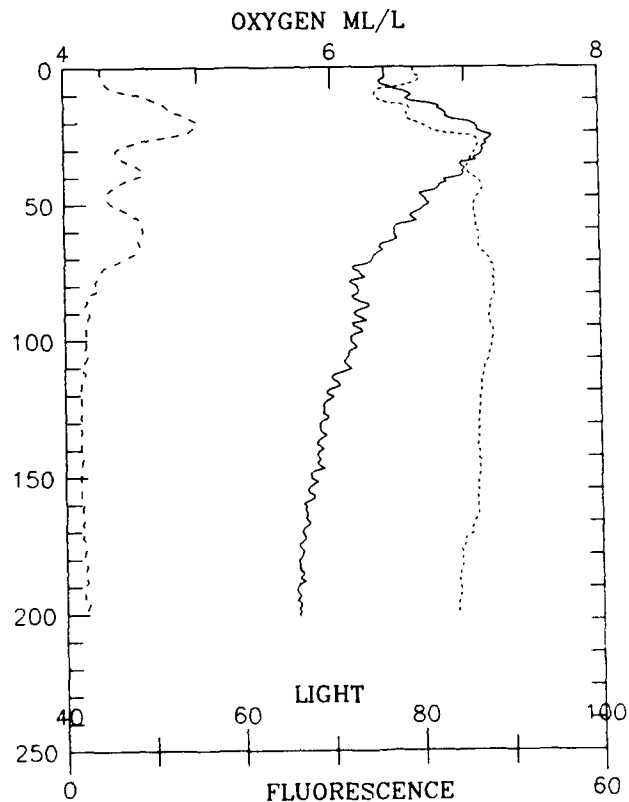
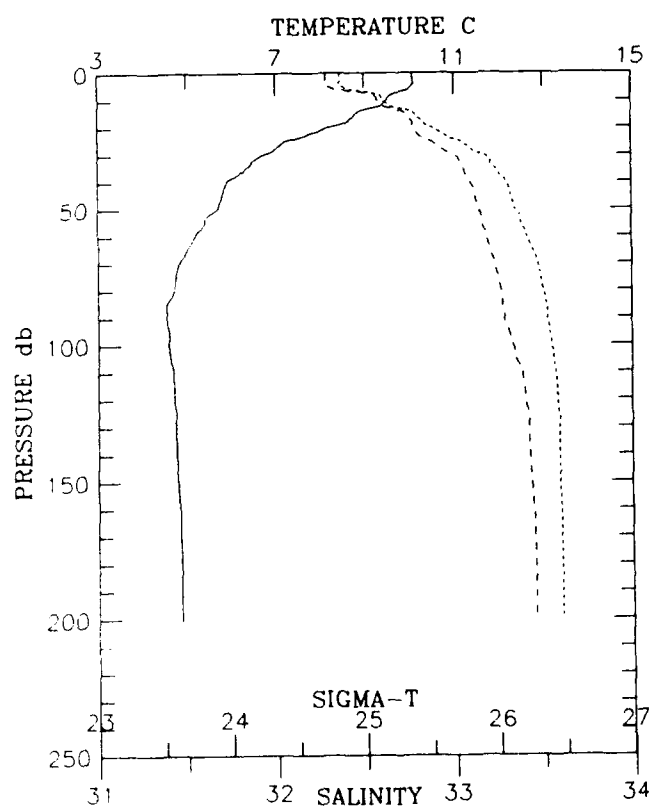
Cruise EN196 Consecutive Station # 18 Depth m:208 Time: 1989-05-20 14:08
 Position: 41° 53.10'N 69° 25.86'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.820 | 31.865 | 24.535 | 0.0000 | 6.271 | 5.3 |
| 10.0 | | 9.207 | 31.939 | 24.690 | 0.0334 | 6.558 | 6.9 |
| 20.0 | | 6.654 | 32.608 | 25.581 | 0.0604 | 7.497 | 9.8 |
| 30.0 | | 6.161 | 32.849 | 25.833 | 0.0830 | 7.397 | 18.5 |
| 40.0 | | 5.687 | 32.910 | 25.939 | 0.1038 | 6.930 | 29.6 |
| 50.0 | | 5.167 | 33.021 | 26.088 | 0.1235 | 6.609 | 48.6 |
| 60.0 | | 4.632 | 33.071 | 26.186 | 0.1419 | 6.440 | 22.4 |
| 70.0 | | 4.584 | 33.149 | 26.254 | 0.1594 | 6.312 | 3.3 |
| 80.0 | | 4.475 | 33.178 | 26.288 | 0.1765 | 6.193 | 4.2 |
| 90.0 | | 4.477 | 33.209 | 26.313 | 0.1933 | 6.183 | 5.0 |
| 100.0 | | 4.544 | 33.278 | 26.360 | 0.2098 | 6.192 | 3.9 |
| 110.0 | | 4.654 | 33.351 | 26.406 | 0.2259 | 6.065 | 3.0 |
| 120.0 | | 4.701 | 33.375 | 26.420 | 0.2417 | 5.958 | 2.3 |
| 130.0 | | 4.737 | 33.389 | 26.427 | 0.2574 | 5.915 | 2.8 |
| 140.0 | | 4.787 | 33.411 | 26.439 | 0.2730 | 5.862 | 2.2 |
| 150.0 | | 4.820 | 33.422 | 26.444 | 0.2886 | 5.816 | 2.0 |
| 160.0 | | 4.852 | 33.431 | 26.448 | 0.3041 | 5.793 | 1.7 |
| 170.0 | | 4.865 | 33.441 | 26.455 | 0.3196 | 5.775 | 1.9 |
| 180.0 | | 4.908 | 33.463 | 26.467 | 0.3350 | 5.685 | 1.9 |
| 190.0 | | 5.040 | 33.500 | 26.482 | 0.3504 | 5.579 | 2.2 |
| 197.0 | | 5.170 | 33.543 | 26.501 | 0.3610 | 5.362 | 2.8 |



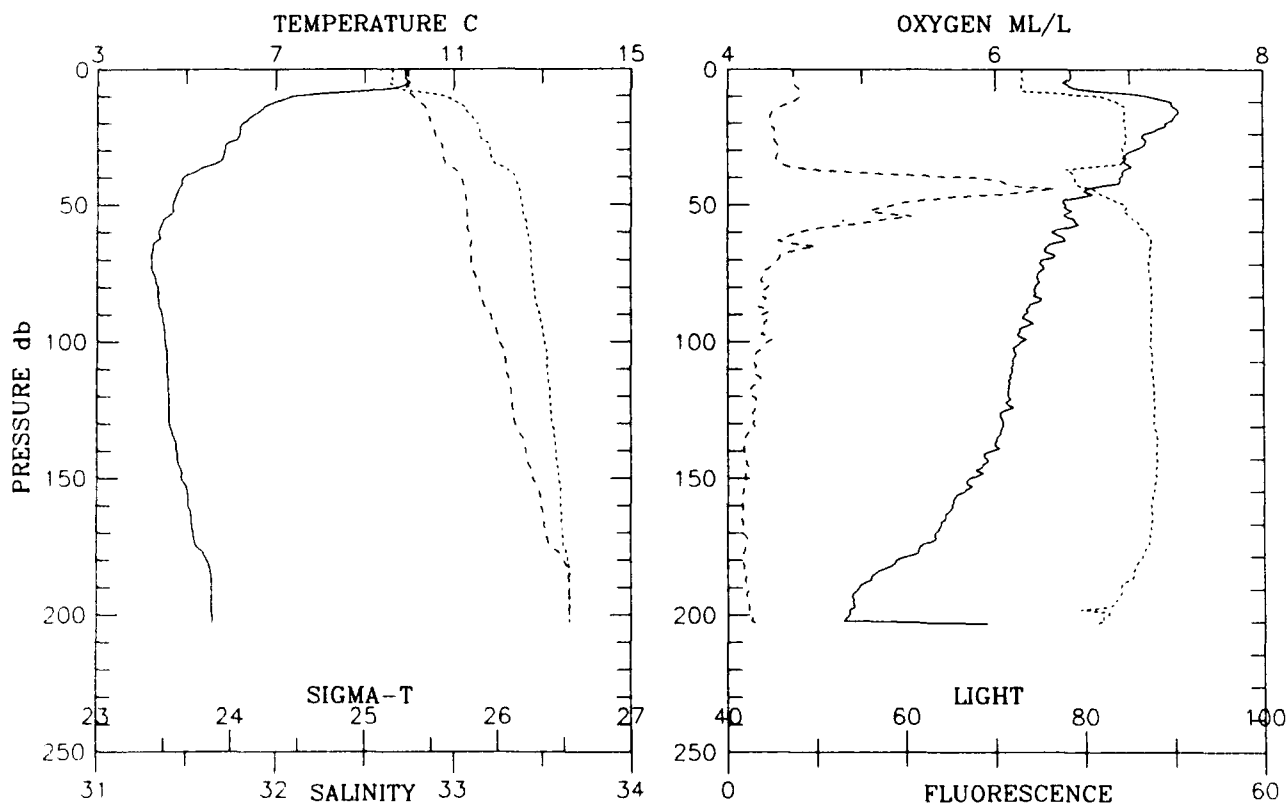
Cruise EN196 Consecutive Station # 19 Depth m:210 Time: 1989-05-20 16:20
 Position: 41° 57.10'N 69° 15.00'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.090 | 32.286 | 24.819 | 0.0000 | 6.400 | 4.2 |
| 10.0 | | 9.496 | 32.571 | 25.139 | 0.0299 | 6.606 | 8.4 |
| 20.0 | | 8.151 | 32.774 | 25.504 | 0.0559 | 7.037 | 15.0 |
| 30.0 | | 6.686 | 33.006 | 25.890 | 0.0786 | 7.137 | 5.9 |
| 40.0 | | 5.880 | 33.085 | 26.055 | 0.0985 | 6.972 | 8.5 |
| 50.0 | | 5.668 | 33.132 | 26.117 | 0.1173 | 6.730 | 5.3 |
| 60.0 | | 5.179 | 33.179 | 26.211 | 0.1353 | 6.478 | 8.9 |
| 70.0 | | 4.805 | 33.227 | 26.291 | 0.1526 | 6.300 | 6.6 |
| 80.0 | | 4.701 | 33.265 | 26.333 | 0.1693 | 6.174 | 3.4 |
| 90.0 | | 4.540 | 33.283 | 26.365 | 0.1856 | 6.161 | 2.7 |
| 100.0 | | 4.577 | 33.326 | 26.395 | 0.2017 | 6.137 | 2.3 |
| 110.0 | | 4.695 | 33.382 | 26.426 | 0.2176 | 6.115 | 2.1 |
| 120.0 | | 4.710 | 33.401 | 26.440 | 0.2332 | 5.952 | 1.8 |
| 130.0 | | 4.740 | 33.415 | 26.448 | 0.2487 | 5.915 | 1.7 |
| 140.0 | | 4.751 | 33.420 | 26.450 | 0.2642 | 5.926 | 1.7 |
| 150.0 | | 4.789 | 33.432 | 26.456 | 0.2796 | 5.836 | 1.7 |
| 160.0 | | 4.817 | 33.440 | 26.459 | 0.2951 | 5.771 | 1.9 |
| 170.0 | | 4.839 | 33.446 | 26.461 | 0.3105 | 5.764 | 1.9 |
| 180.0 | | 4.851 | 33.449 | 26.462 | 0.3259 | 5.746 | 2.1 |
| 190.0 | | 4.848 | 33.448 | 26.462 | 0.3413 | 5.724 | 2.0 |
| 200.0 | | 4.848 | 33.449 | 26.463 | 0.3567 | 5.731 | 2.1 |
| 201.0 | | 4.848 | 33.448 | 26.462 | 0.3583 | 5.736 | 2.1 |



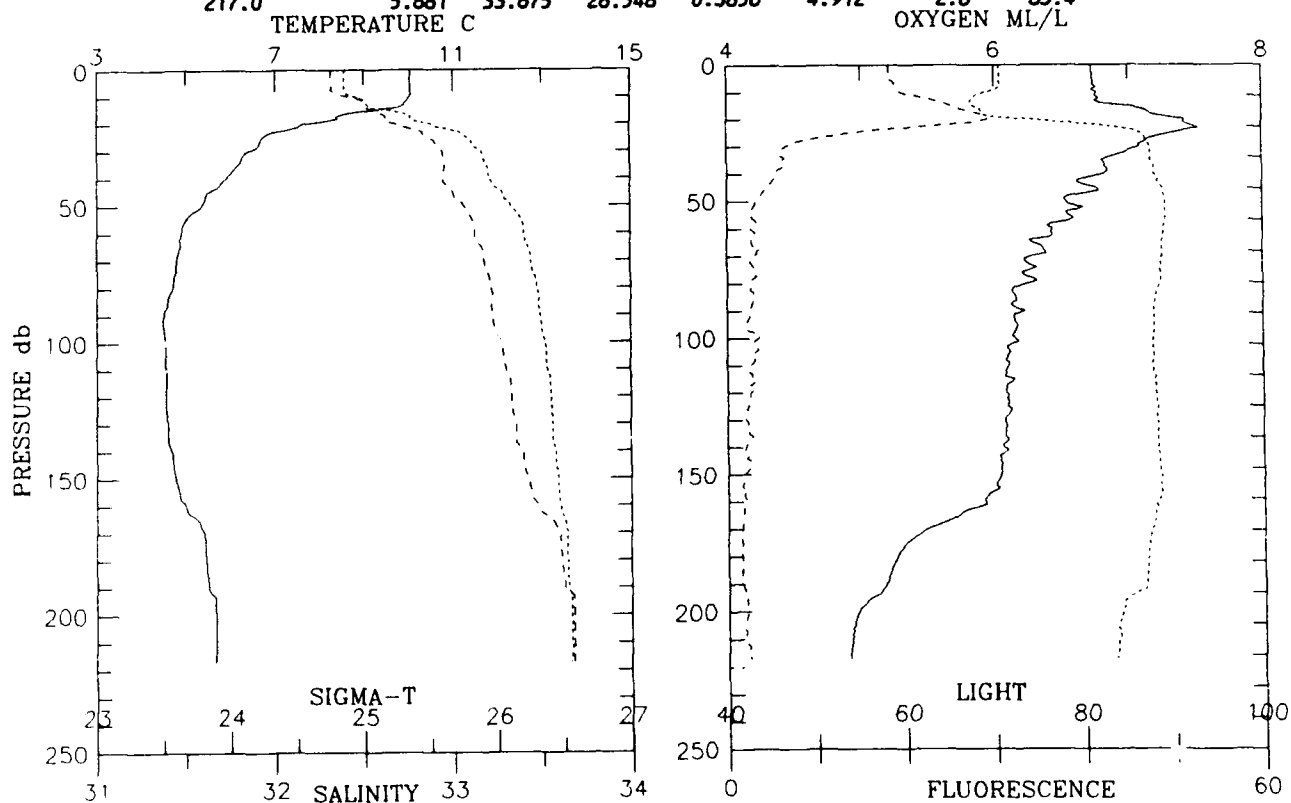
Cruise EN196 Consecutive Station # 20 Depth m:206 Time: 1989-05-20 19:16
 Position: 42° 7.92'N 69° 22.48'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.907 | 32.744 | 25.207 | 0.0000 | 6.559 | 7.3 |
| 10.0 | | 7.390 | 32.774 | 25.613 | 0.0266 | 7.141 | 8.1 |
| 20.0 | | 6.268 | 32.880 | 25.844 | 0.0486 | 7.273 | 4.8 |
| 30.0 | | 5.858 | 32.939 | 25.942 | 0.0694 | 7.030 | 5.7 |
| 40.0 | | 4.922 | 33.045 | 26.134 | 0.0889 | 6.928 | 27.9 |
| 50.0 | | 4.698 | 33.074 | 26.181 | 0.1070 | 6.523 | 18.6 |
| 60.0 | | 4.388 | 33.088 | 26.226 | 0.1248 | 6.425 | 7.9 |
| 70.0 | | 4.223 | 33.098 | 26.250 | 0.1421 | 6.345 | 5.6 |
| 80.0 | | 4.371 | 33.146 | 26.274 | 0.1593 | 6.298 | 4.5 |
| 90.0 | | 4.459 | 33.208 | 26.314 | 0.1763 | 6.212 | 3.8 |
| 100.0 | | 4.524 | 33.258 | 26.347 | 0.1928 | 6.185 | 4.5 |
| 110.0 | | 4.576 | 33.296 | 26.371 | 0.2091 | 6.120 | 3.0 |
| 120.0 | | 4.613 | 33.326 | 26.391 | 0.2251 | 6.094 | 2.8 |
| 130.0 | | 4.629 | 33.349 | 26.408 | 0.2411 | 6.054 | 2.8 |
| 140.0 | | 4.798 | 33.408 | 26.436 | 0.2568 | 5.968 | 1.8 |
| 150.0 | | 4.899 | 33.444 | 26.453 | 0.2723 | 5.803 | 2.0 |
| 160.0 | | 5.060 | 33.491 | 26.473 | 0.2877 | 5.679 | 1.7 |
| 170.0 | | 5.164 | 33.521 | 26.484 | 0.3029 | 5.547 | 1.7 |
| 180.0 | | 5.478 | 33.619 | 26.525 | 0.3180 | 5.253 | 1.7 |
| 190.0 | | 5.582 | 33.650 | 26.537 | 0.3327 | 4.979 | 2.3 |
| 200.0 | | 5.586 | 33.651 | 26.538 | 0.3475 | 4.904 | 2.4 |
| 203.0 | | 5.585 | 33.651 | 26.538 | 0.3519 | 5.936 | 3.0 |



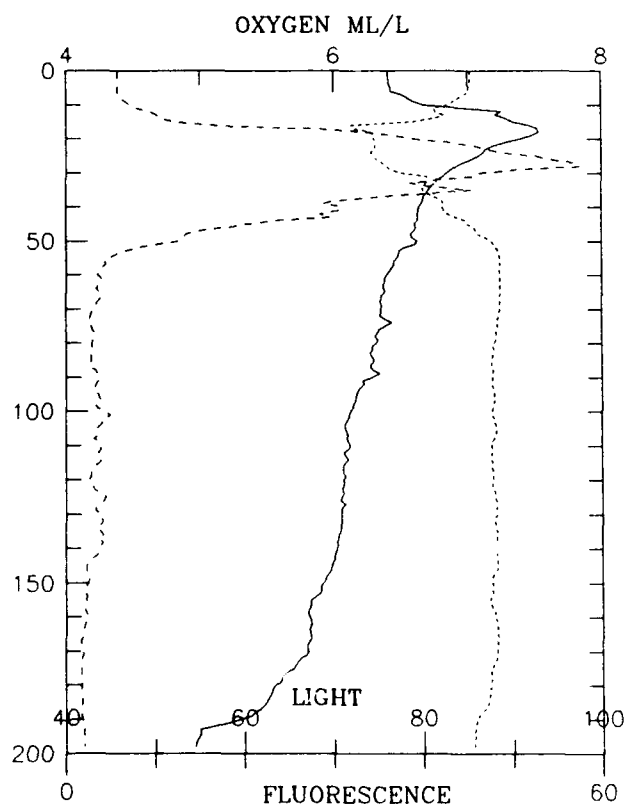
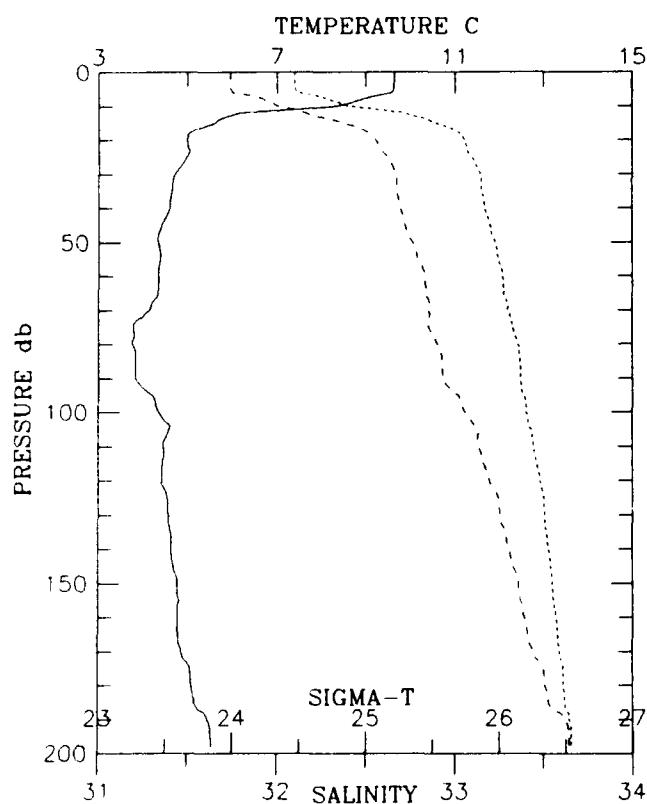
Cruise EN196 Consecutive Station # 21 Depth m:228 Time: 1989-05-20 21:36
 Position: 42° 5.31'N 69° 33.14'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.038 | 32.317 | 24.852 | 0.0000 | 6.728 | 18.2 |
| 10.0 | | 10.020 | 32.436 | 24.948 | 0.0305 | 6.766 | 19.6 |
| 20.0 | | 7.611 | 32.683 | 25.510 | 0.0580 | 7.416 | 29.3 |
| 30.0 | | 6.368 | 32.943 | 25.882 | 0.0801 | 7.085 | 6.5 |
| 40.0 | | 5.885 | 32.935 | 25.935 | 0.1006 | 6.817 | 5.3 |
| 50.0 | | 5.347 | 33.060 | 26.098 | 0.1201 | 6.532 | 3.2 |
| 60.0 | | 4.898 | 33.120 | 26.196 | 0.1382 | 6.434 | 2.6 |
| 70.0 | | 4.798 | 33.178 | 26.253 | 0.1557 | 6.267 | 2.9 |
| 80.0 | | 4.698 | 33.213 | 26.292 | 0.1728 | 6.245 | 2.6 |
| 90.0 | | 4.496 | 33.222 | 26.321 | 0.1895 | 6.222 | 2.4 |
| 100.0 | | 4.535 | 33.272 | 26.356 | 0.2061 | 6.152 | 3.4 |
| 110.0 | | 4.560 | 33.299 | 26.375 | 0.2223 | 6.105 | 2.6 |
| 120.0 | | 4.545 | 33.324 | 26.397 | 0.2383 | 6.079 | 2.5 |
| 130.0 | | 4.608 | 33.353 | 26.413 | 0.2542 | 6.076 | 2.1 |
| 140.0 | | 4.687 | 33.387 | 26.432 | 0.2700 | 6.060 | 2.0 |
| 150.0 | | 4.766 | 33.418 | 26.447 | 0.2856 | 6.032 | 1.8 |
| 160.0 | | 4.991 | 33.474 | 26.467 | 0.3010 | 5.918 | 1.9 |
| 170.0 | | 5.406 | 33.597 | 26.516 | 0.3162 | 5.479 | 1.5 |
| 180.0 | | 5.454 | 33.609 | 26.520 | 0.3311 | 5.261 | 1.5 |
| 190.0 | | 5.493 | 33.621 | 26.525 | 0.3460 | 5.170 | 1.6 |
| 200.0 | | 5.660 | 33.675 | 26.548 | 0.3607 | 4.971 | 2.0 |
| 210.0 | | 5.661 | 33.675 | 26.548 | 0.3754 | 4.915 | 1.8 |
| 217.0 | | 5.661 | 33.675 | 26.548 | 0.3856 | 4.912 | 2.6 |



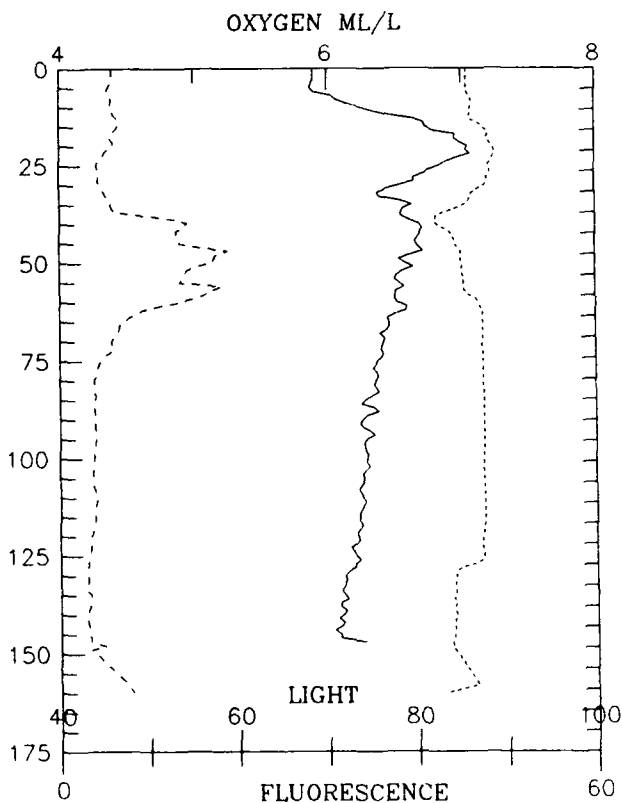
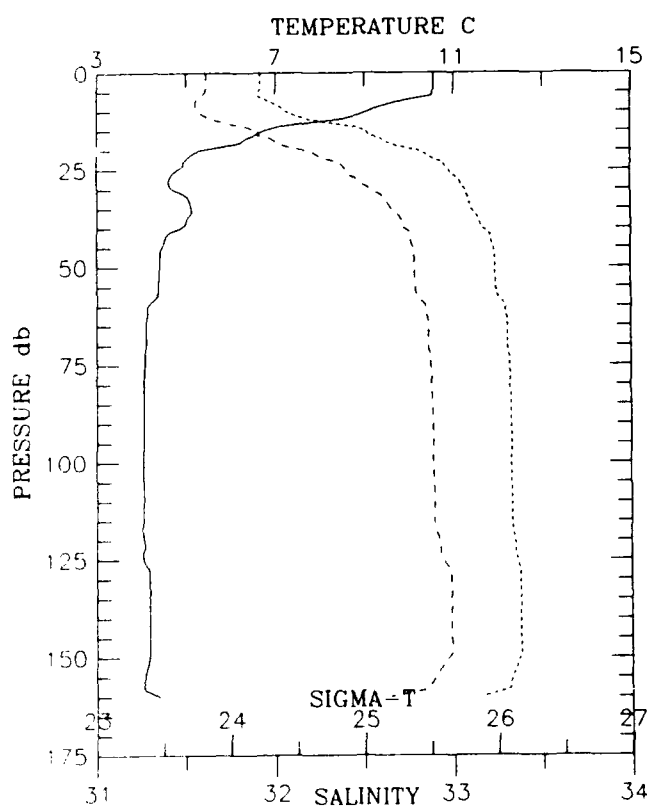
Cruise EN196 Consecutive Station # 22 Depth m:214 Time: 1989-05-20 23:33
 Position: 42° 3.34'N 69° 40.96'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.635 | 31.738 | 24.465 | 0.0000 | 6.409 | 5.8 |
| 10.0 | | 8.365 | 32.000 | 24.866 | 0.0334 | 6.669 | 7.2 |
| 20.0 | | 4.986 | 32.553 | 25.737 | 0.0580 | 7.396 | 38.9 |
| 30.0 | | 4.710 | 32.668 | 25.858 | 0.0796 | 6.840 | 46.1 |
| 40.0 | | 4.595 | 32.695 | 25.892 | 0.1005 | 6.634 | 30.9 |
| 50.0 | | 4.344 | 32.761 | 25.970 | 0.1208 | 6.621 | 12.5 |
| 60.0 | | 4.341 | 32.827 | 26.023 | 0.1405 | 6.396 | 3.5 |
| 70.0 | | 4.129 | 32.850 | 26.063 | 0.1597 | 6.352 | 3.0 |
| 80.0 | | 3.758 | 32.898 | 26.138 | 0.1784 | 6.316 | 2.9 |
| 90.0 | | 3.840 | 32.932 | 26.157 | 0.1966 | 6.284 | 3.4 |
| 100.0 | | 4.363 | 33.057 | 26.204 | 0.2145 | 6.129 | 4.3 |
| 110.0 | | 4.464 | 33.138 | 26.257 | 0.2320 | 6.120 | 3.7 |
| 120.0 | | 4.425 | 33.193 | 26.305 | 0.2491 | 6.070 | 2.6 |
| 130.0 | | 4.574 | 33.254 | 26.338 | 0.2657 | 6.056 | 4.0 |
| 140.0 | | 4.647 | 33.308 | 26.373 | 0.2820 | 6.019 | 3.6 |
| 150.0 | | 4.771 | 33.356 | 26.397 | 0.2981 | 5.917 | 2.4 |
| 160.0 | | 4.772 | 33.390 | 26.424 | 0.3140 | 5.817 | 2.5 |
| 170.0 | | 4.873 | 33.437 | 26.450 | 0.3296 | 5.805 | 2.0 |
| 180.0 | | 5.094 | 33.507 | 26.481 | 0.3450 | 5.561 | 1.7 |
| 190.0 | | 5.447 | 33.614 | 26.525 | 0.3601 | 5.295 | 1.8 |
| 198.0 | | 5.533 | 33.642 | 26.537 | 0.3719 | 4.962 | 2.0 |



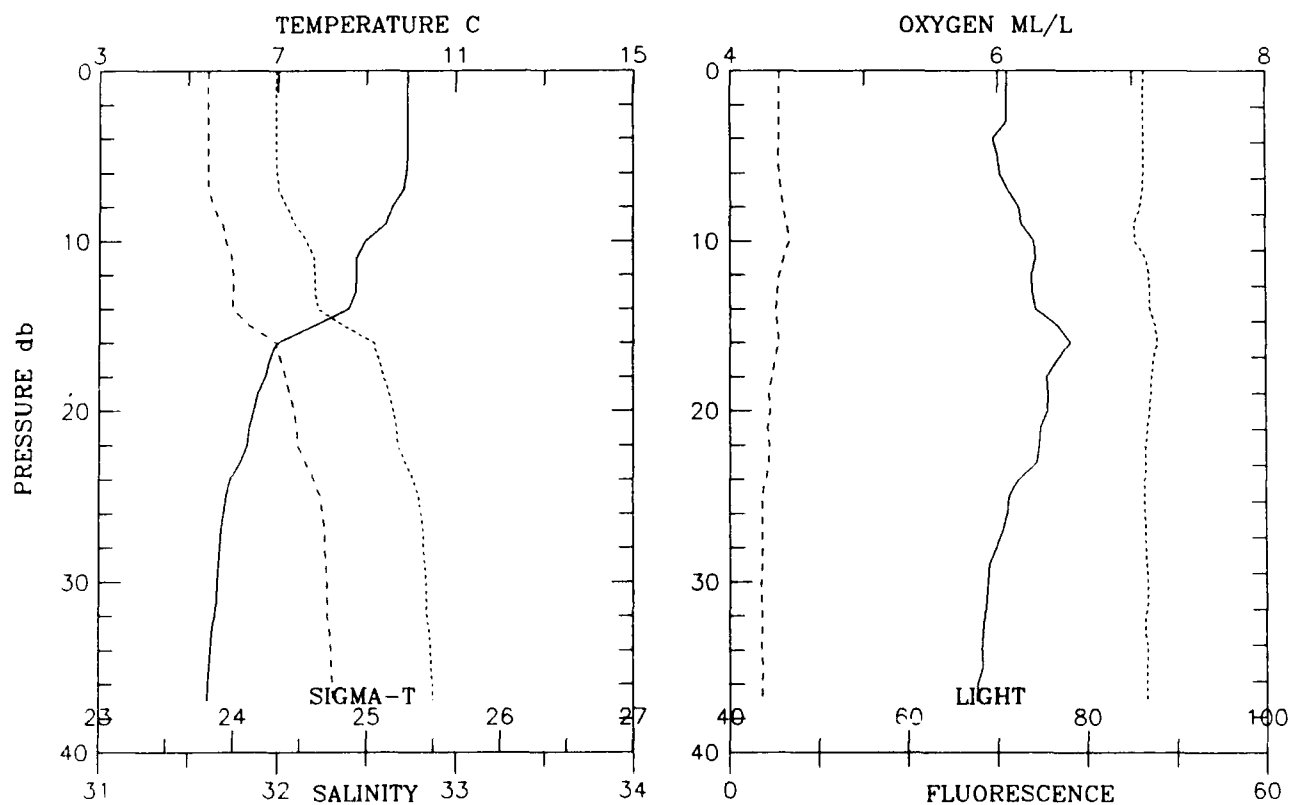
Cruise EN196 Consecutive Station # 23 Depth m:154 Time: 1989-05-21 07:29
 Position: 42° 1.28'N 69° 48.43'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.548 | 31.612 | 24.217 | 0.0000 | 5.899 | 5.9 | 85.6 |
| 10.0 | | 9.100 | 31.564 | 24.413 | 0.0363 | 6.245 | 5.8 | 86.1 |
| 20.0 | | 5.311 | 32.172 | 25.399 | 0.0662 | 7.050 | 6.0 | 88.5 |
| 30.0 | | 4.691 | 32.536 | 25.756 | 0.0895 | 6.543 | 4.6 | 87.7 |
| 40.0 | | 4.879 | 32.720 | 25.881 | 0.1110 | 6.686 | 14.3 | 82.1 |
| 50.0 | | 4.410 | 32.781 | 25.980 | 0.1310 | 6.585 | 16.9 | 85.1 |
| 60.0 | | 4.141 | 32.842 | 26.056 | 0.1507 | 6.515 | 13.3 | 86.8 |
| 70.0 | | 4.104 | 32.859 | 26.073 | 0.1696 | 6.421 | 5.8 | 87.3 |
| 80.0 | | 4.060 | 32.877 | 26.092 | 0.1885 | 6.365 | 3.9 | 87.3 |
| 90.0 | | 4.052 | 32.884 | 26.098 | 0.2072 | 6.261 | 3.9 | 87.4 |
| 100.0 | | 4.052 | 32.885 | 26.099 | 0.2260 | 6.294 | 3.8 | 87.4 |
| 110.0 | | 4.041 | 32.888 | 26.102 | 0.2447 | 6.251 | 4.2 | 87.4 |
| 120.0 | | 4.066 | 32.919 | 26.125 | 0.2633 | 6.219 | 3.5 | 87.2 |
| 130.0 | | 4.178 | 32.984 | 26.165 | 0.2817 | 6.123 | 3.0 | 84.2 |
| 140.0 | | 4.178 | 32.983 | 26.164 | 0.2998 | 6.109 | 3.0 | 84.2 |
| 150.0 | * | 4.166 | 32.968 | 26.154 | 0.3180 | 49.137 | 3.9 | 84.3 |
| 160.0 | | 4.413 | 32.642 | 25.869 | 0.3368 | 24.415 | 8.1 | 83.0 |



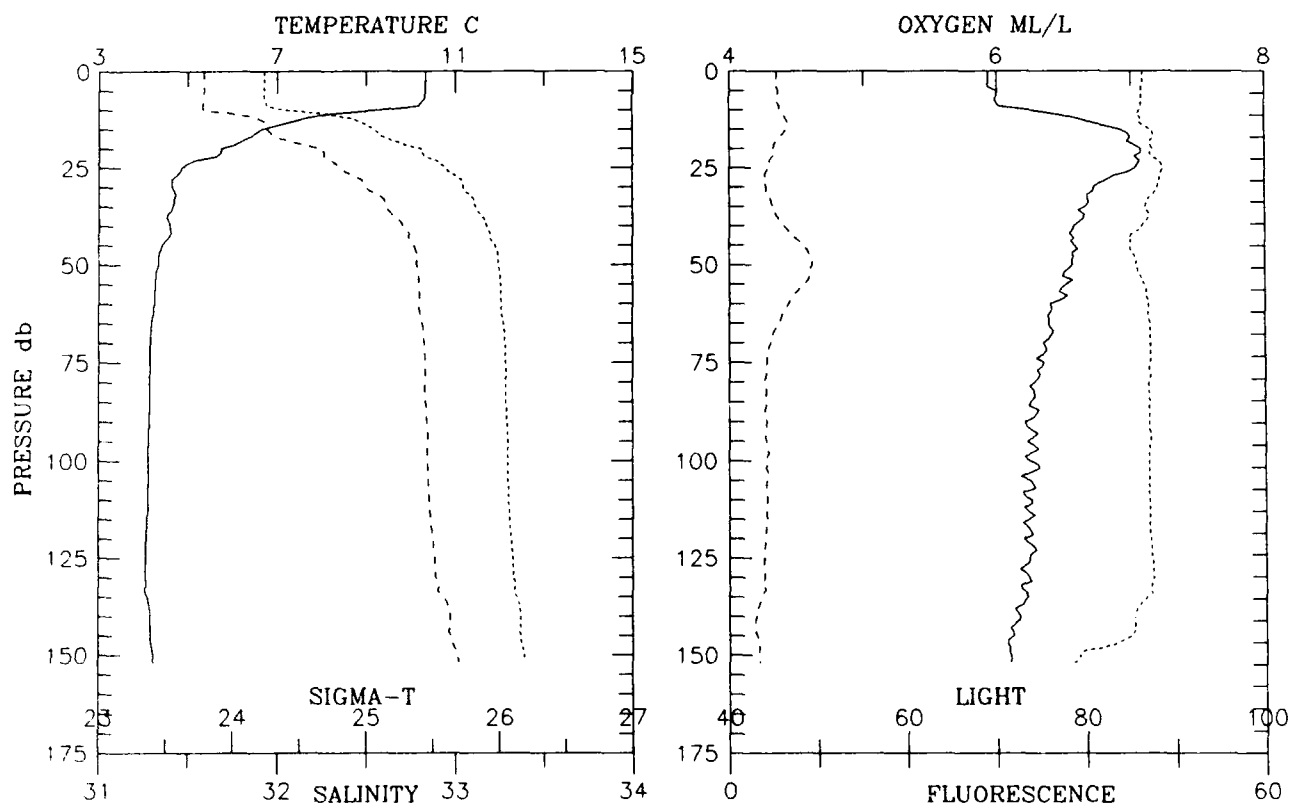
Cruise EN196 Consecutive Station # 24 Depth m:39 Time: 1989-05-21 09:21
 Position: 41° 59.52'N 69° 56.65'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.913 | 31.610 | 24.321 | 0.0000 | 6.069 | 5.5 |
| 2.0 | E | 9.913 | 31.609 | 24.320 | 0.0071 | 6.071 | 5.5 |
| 4.0 | | 9.911 | 31.609 | 24.320 | 0.0143 | 5.966 | 5.5 |
| 6.0 | | 9.889 | 31.610 | 24.324 | 0.0214 | 6.018 | 5.5 |
| 8.0 | | 9.561 | 31.637 | 24.399 | 0.0285 | 6.158 | 5.9 |
| 10.0 | | 8.964 | 31.710 | 24.549 | 0.0353 | 6.274 | 6.7 |
| 12.0 | | 8.762 | 31.748 | 24.609 | 0.0420 | 6.254 | 5.5 |
| 14.0 | | 8.592 | 31.745 | 24.632 | 0.0485 | 6.283 | 5.1 |
| 16.0 | | 6.990 | 31.991 | 25.051 | 0.0547 | 6.541 | 5.5 |
| 18.0 | | 6.729 | 32.043 | 25.126 | 0.0604 | 6.363 | 4.7 |
| 20.0 | | 6.462 | 32.091 | 25.198 | 0.0659 | 6.368 | 4.5 |
| 22.0 | | 6.322 | 32.111 | 25.231 | 0.0713 | 6.308 | 4.4 |
| 24.0 | | 5.940 | 32.204 | 25.351 | 0.0766 | 6.157 | 4.0 |
| 26.0 | | 5.793 | 32.254 | 25.408 | 0.0817 | 6.071 | 3.6 |
| 28.0 | | 5.715 | 32.265 | 25.426 | 0.0867 | 5.988 | 3.6 |
| 30.0 | | 5.647 | 32.278 | 25.444 | 0.0917 | 5.925 | 3.5 |
| 32.0 | | 5.599 | 32.283 | 25.454 | 0.0967 | 5.904 | 3.6 |
| 34.0 | | 5.502 | 32.301 | 25.480 | 0.1016 | 5.878 | 3.5 |
| 36.0 | | 5.454 | 32.310 | 25.492 | 0.1065 | 5.845 | 3.6 |
| 37.0 | | 5.436 | 32.313 | 25.497 | 0.1090 | 5.842 | 3.6 |



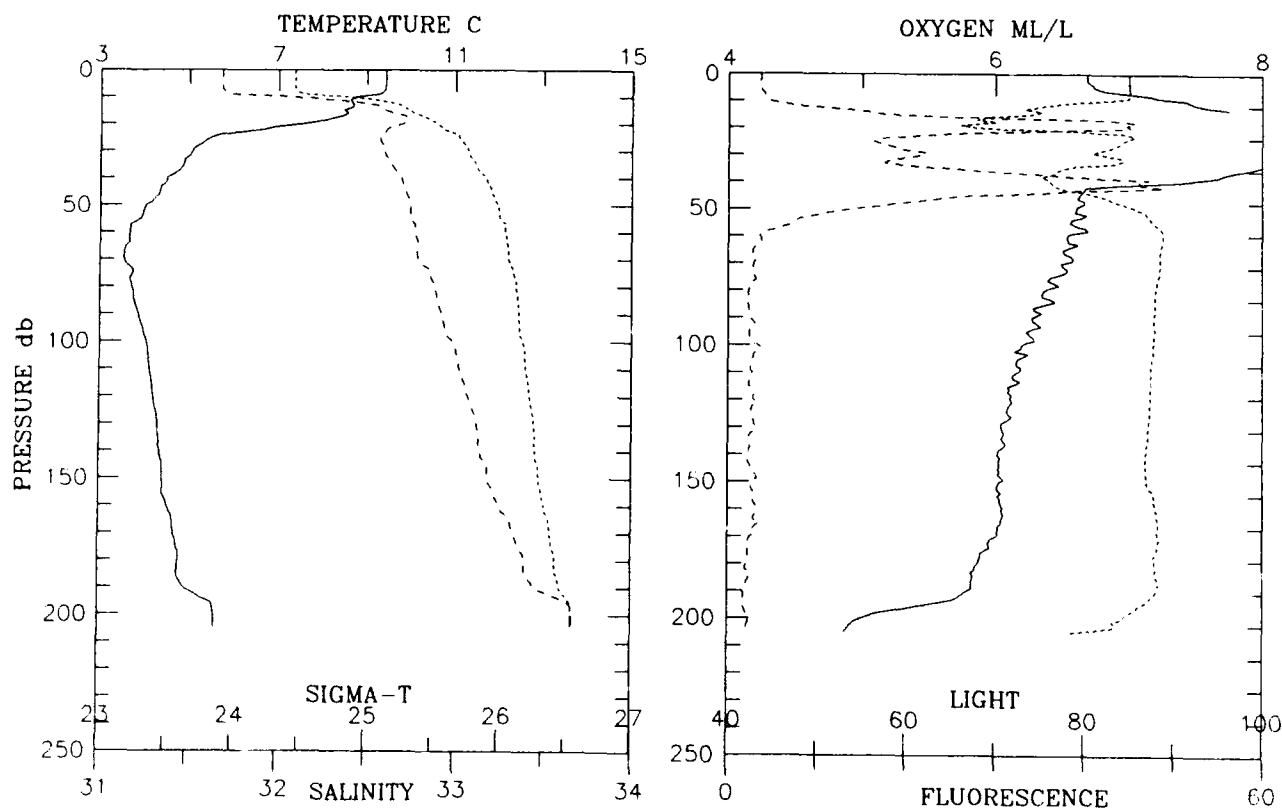
Cruise EN196 Consecutive Station # 25 Depth m:156 Time: 1989-05-21 11:41
 Position: 42° 1.44'N 69° 48.32'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.331 | 31.591 | 24.236 | 0.0000 | 5.937 | 5.3 | 86.3 |
| 10.0 | 9.283 | 31.586 | 24.402 | 0.0364 | 6.241 | 5.6 | 86.0 |
| 20.0 | 5.740 | 32.250 | 25.411 | 0.0653 | 7.075 | 4.9 | 87.4 |
| 30.0 | 4.649 | 32.495 | 25.728 | 0.0889 | 6.725 | 4.1 | 88.0 |
| 40.0 | 4.584 | 32.704 | 25.900 | 0.1102 | 6.571 | 6.1 | 86.2 |
| 50.0 | 4.333 | 32.784 | 25.990 | 0.1303 | 6.563 | 9.3 | 85.5 |
| 60.0 | 4.247 | 32.800 | 26.012 | 0.1499 | 6.394 | 6.6 | 86.9 |
| 70.0 | 4.164 | 32.825 | 26.040 | 0.1693 | 6.344 | 4.6 | 87.1 |
| 80.0 | 4.149 | 32.832 | 26.047 | 0.1885 | 6.280 | 4.0 | 87.0 |
| 90.0 | 4.139 | 32.840 | 26.054 | 0.2077 | 6.210 | 4.2 | 87.0 |
| 100.0 | 4.122 | 32.846 | 26.061 | 0.2268 | 6.244 | 4.2 | 87.0 |
| 110.0 | 4.109 | 32.853 | 26.068 | 0.2459 | 6.251 | 4.2 | 87.0 |
| 120.0 | 4.073 | 32.876 | 26.089 | 0.2648 | 6.196 | 4.0 | 87.1 |
| 130.0 | 4.050 | 32.889 | 26.102 | 0.2836 | 6.236 | 3.9 | 87.4 |
| 140.0 | 4.159 | 32.972 | 26.157 | 0.3020 | 6.166 | 3.0 | 85.3 |
| 150.0 | 4.216 | 33.012 | 26.183 | 0.3202 | 6.091 | 3.3 | 79.1 |
| 152.0 | 4.234 | 33.023 | 26.190 | 0.3238 | 6.088 | 3.4 | 78.4 |



Cruise EN196 Consecutive Station # 26 Depth m:212 Time: 1989-05-21 13:39
 Position: 42° 3.25'N 69° 41.24'W Depth Deck Offset: -0.25 Fish 1

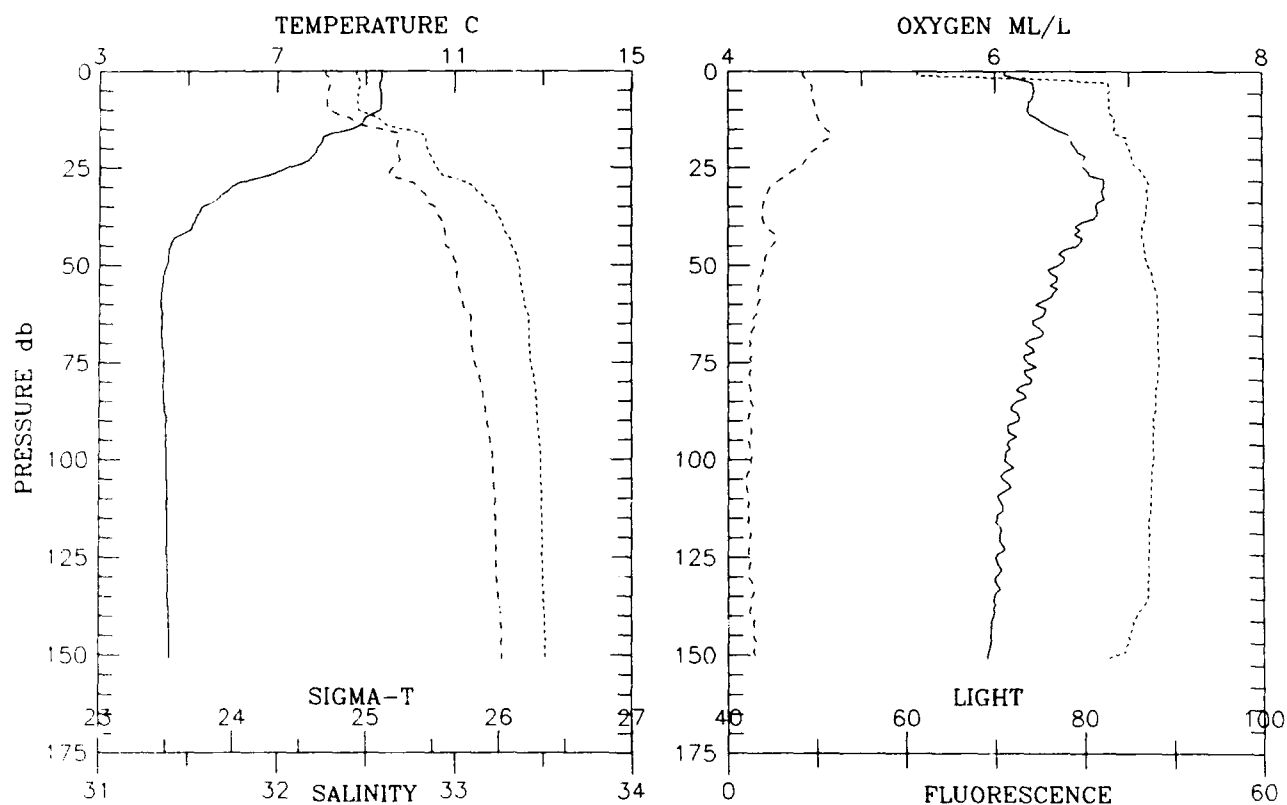
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.415 | 31.685 | 24.459 | 0.0000 | 6.684 | 3.6 |
| 10.0 | | 8.759 | 32.070 | 24.861 | 0.0341 | 7.433 | 4.5 |
| 20.0 | | 7.606 | 32.702 | 25.526 | 0.0605 | 8.520 | 45.1 |
| 30.0 | | 5.076 | 32.601 | 25.766 | 0.0832 | 8.361 | 22.1 |
| 40.0 | | 4.504 | 32.698 | 25.904 | 0.1045 | 7.380 | 46.1 |
| 50.0 | | 4.037 | 32.745 | 25.989 | 0.1247 | 6.608 | 13.7 |
| 60.0 | | 3.676 | 32.772 | 26.045 | 0.1442 | 6.532 | 3.5 |
| 70.0 | | 3.549 | 32.791 | 26.072 | 0.1632 | 6.495 | 2.9 |
| 80.0 | | 3.722 | 32.884 | 26.130 | 0.1818 | 6.367 | 2.3 |
| 90.0 | | 3.872 | 32.923 | 26.147 | 0.2001 | 6.273 | 2.4 |
| 100.0 | | 4.054 | 32.985 | 26.178 | 0.2183 | 6.197 | 3.3 |
| 110.0 | | 4.130 | 33.026 | 26.203 | 0.2361 | 6.156 | 2.7 |
| 120.0 | | 4.215 | 33.074 | 26.233 | 0.2537 | 6.124 | 2.8 |
| 130.0 | | 4.309 | 33.124 | 26.263 | 0.2710 | 6.048 | 3.1 |
| 140.0 | | 4.367 | 33.146 | 26.274 | 0.2882 | 6.021 | 2.4 |
| 150.0 | | 4.432 | 33.190 | 26.302 | 0.3052 | 6.032 | 2.7 |
| 160.0 | | 4.532 | 33.255 | 26.343 | 0.3219 | 6.051 | 3.2 |
| 170.0 | | 4.687 | 33.335 | 26.390 | 0.3381 | 5.994 | 2.6 |
| 180.0 | | 4.800 | 33.397 | 26.427 | 0.3540 | 5.870 | 2.2 |
| 190.0 | | 4.923 | 33.456 | 26.460 | 0.3697 | 5.785 | 1.7 |
| 200.0 | | 5.601 | 33.666 | 26.548 | 0.3846 | 4.999 | 2.2 |
| 205.0 | | 5.613 | 33.668 | 26.548 | 0.3919 | 4.871 | 2.5 |



Cruise EN196 Consecutive Station # 27 Depth m:158 Time: 1989-05-22 00:33
 Position: 41° 40.81'N 68° 48.09'W Depth Deck Offset: -0.40 Fish 1

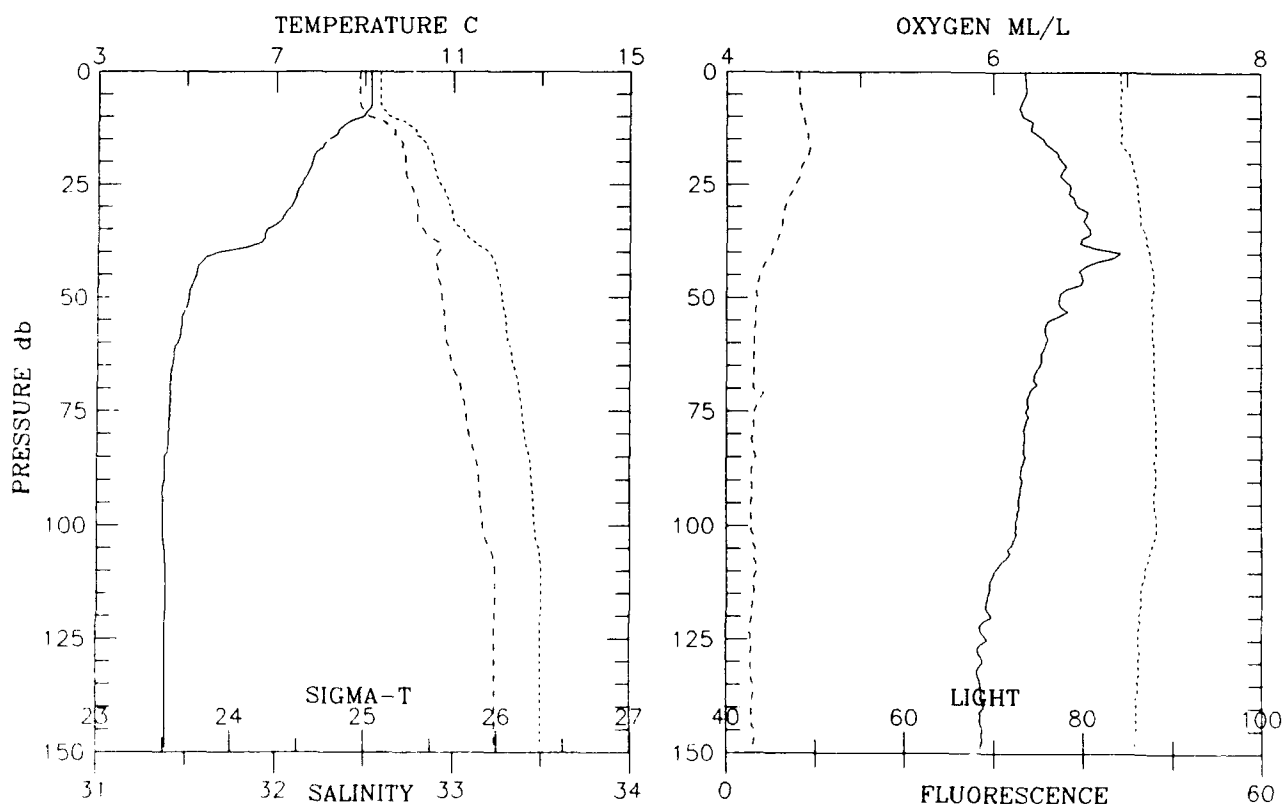
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|-------|--------|--------|--------|-------|-----|
| 0.0 | E | 9.351 | 32.270 | 24.926 | 0.0000 | 6.073 | 8.4 |
| 10.0 | | 9.329 | 32.282 | 24.940 | 0.0298 | 6.244 | 9.9 |
| 20.0 | | 7.893 | 32.672 | 25.461 | 0.0565 | 6.605 | 9.9 |
| 30.0 | | 5.969 | 32.795 | 25.814 | 0.0802 | 6.818 | 4.7 |
| 40.0 | | 5.103 | 32.939 | 26.030 | 0.1005 | 6.597 | 4.3 |
| 50.0 | | 4.518 | 33.005 | 26.146 | 0.1192 | 6.469 | 4.0 |
| 60.0 | | 4.380 | 33.043 | 26.191 | 0.1372 | 6.303 | 3.2 |
| 70.0 | | 4.410 | 33.093 | 26.228 | 0.1548 | 6.225 | 2.5 |
| 80.0 | | 4.436 | 33.146 | 26.267 | 0.1722 | 6.267 | 2.4 |
| 90.0 | | 4.514 | 33.185 | 26.289 | 0.1892 | 6.170 | 2.2 |
| 100.0 | | 4.513 | 33.214 | 26.312 | 0.2060 | 6.065 | 2.5 |
| 110.0 | | 4.527 | 33.225 | 26.320 | 0.2227 | 6.021 | 2.2 |
| 120.0 | | 4.536 | 33.232 | 26.324 | 0.2394 | 6.029 | 2.4 |
| 130.0 | | 4.540 | 33.235 | 26.326 | 0.2560 | 5.997 | 2.2 |
| 140.0 | | 4.576 | 33.260 | 26.342 | 0.2725 | 5.982 | 2.5 |
| 150.0 | | 4.590 | 33.268 | 26.347 | 0.2890 | 5.938 | 3.0 |
| 151.0 | | 4.590 | 33.268 | 26.347 | 0.2907 | 5.938 | 3.0 |



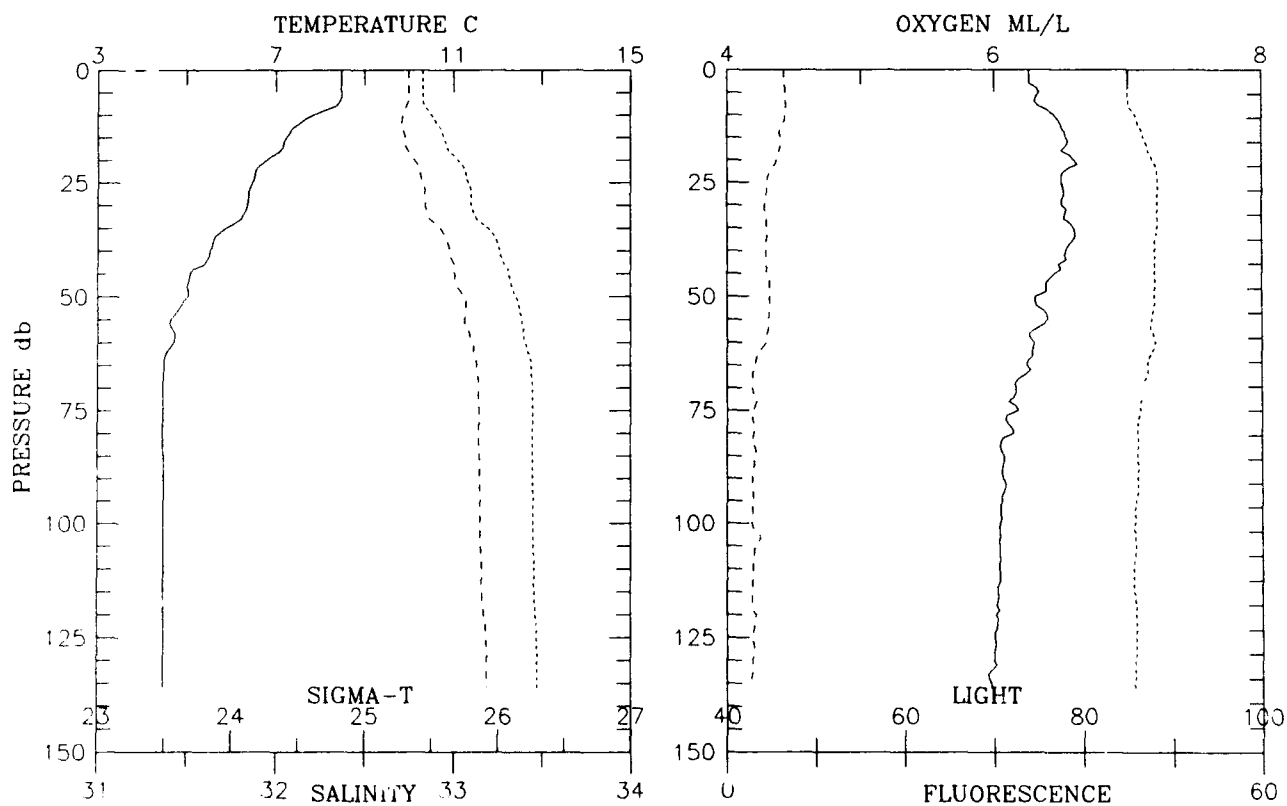
Cruise EN196 Consecutive Station # 28 Depth m:154 Time: 1989-05-22 01:45
 Position: 41° 39.01'N 68° 41.87'W Depth Deck Offset: -0.40 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.139 | 32.473 | 25.119 | 0.0000 | 6.239 | 84.3 |
| 10.0 | | 8.972 | 32.519 | 25.180 | 0.0280 | 6.220 | 84.1 |
| 20.0 | | 7.816 | 32.728 | 25.517 | 0.0533 | 6.522 | 85.6 |
| 30.0 | | 7.340 | 32.800 | 25.640 | 0.0770 | 6.631 | 86.4 |
| 40.0 | | 5.725 | 32.918 | 25.941 | 0.0991 | 6.945 | 87.5 |
| 50.0 | | 5.054 | 32.938 | 26.035 | 0.1188 | 6.494 | 87.8 |
| 60.0 | | 4.811 | 32.960 | 26.079 | 0.1379 | 6.388 | 87.9 |
| 70.0 | | 4.644 | 33.044 | 26.164 | 0.1564 | 6.281 | 87.9 |
| 80.0 | | 4.610 | 33.088 | 26.202 | 0.1743 | 6.228 | 88.1 |
| 90.0 | | 4.521 | 33.146 | 26.258 | 0.1917 | 6.213 | 88.2 |
| 100.0 | | 4.484 | 33.169 | 26.280 | 0.2088 | 6.165 | 88.2 |
| 110.0 | | 4.539 | 33.236 | 26.327 | 0.2256 | 6.002 | 86.8 |
| 120.0 | | 4.540 | 33.239 | 26.329 | 0.2422 | 5.981 | 86.2 |
| 130.0 | | 4.540 | 33.239 | 26.329 | 0.2588 | 5.918 | 86.2 |
| 140.0 | | 4.541 | 33.240 | 26.330 | 0.2754 | 5.924 | 85.9 |
| 149.0 | | 4.542 | 33.239 | 26.329 | 0.2903 | 5.896 | 85.3 |



Cruise EN196 Consecutive Station # 29 Depth m:143 Time: 1989-05-22 02:52
 Position: 41° 37.74'N 68° 36.11'W Depth Deck Offset: -0.40 Fish 1

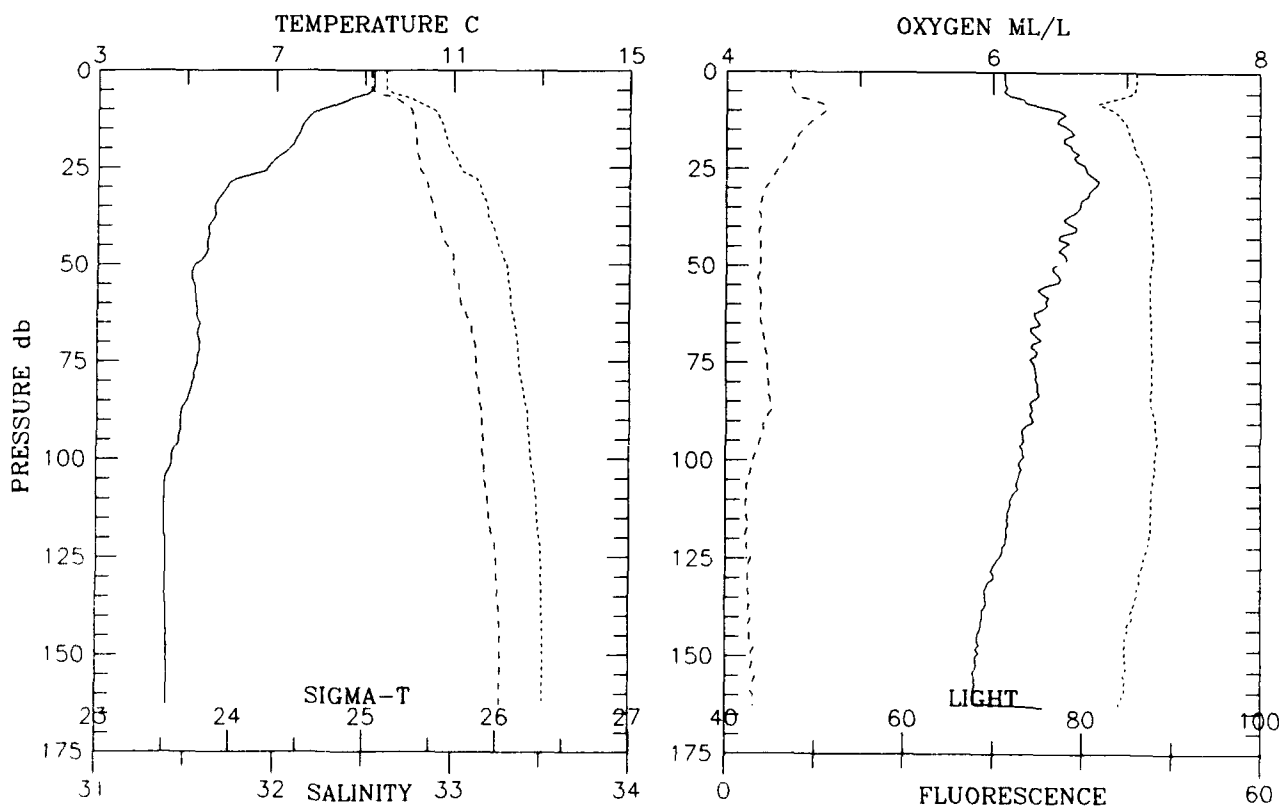
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 8.467 | 32.748 | 25.437 | 0.0000 | 6.262 | 6.4 | 84.9 |
| 10.0 | 7.825 | 32.715 | 25.505 | 0.0250 | 6.441 | 6.5 | 85.7 |
| 20.0 | 6.803 | 32.779 | 25.696 | 0.0485 | 6.592 | 5.5 | 87.7 |
| 30.0 | 6.369 | 32.840 | 25.801 | 0.0703 | 6.508 | 4.2 | 88.3 |
| 40.0 | 5.525 | 32.979 | 26.013 | 0.0908 | 6.535 | 4.3 | 87.9 |
| 50.0 | 5.047 | 33.067 | 26.137 | 0.1098 | 6.305 | 4.8 | 87.9 |
| 60.0 | 4.701 | 33.105 | 26.206 | 0.1277 | 6.296 | 4.3 | 88.0 |
| 70.0 | 4.474 | 33.141 | 26.259 | 0.1451 | 6.163 | 2.9 | 86.6 |
| 80.0 | 4.475 | 33.145 | 26.262 | 0.1623 | 6.146 | 3.0 | 86.0 |
| 90.0 | 4.480 | 33.146 | 26.262 | 0.1795 | 6.066 | 2.8 | 86.0 |
| 100.0 | 4.487 | 33.151 | 26.266 | 0.1966 | 6.047 | 2.8 | 85.7 |
| 110.0 | 4.486 | 33.157 | 26.271 | 0.2138 | 6.035 | 2.9 | 85.5 |
| 120.0 | 4.485 | 33.170 | 26.281 | 0.2309 | 6.013 | 3.2 | 85.8 |
| 130.0 | 4.490 | 33.186 | 26.293 | 0.2478 | 5.999 | 2.9 | 85.7 |
| 136.0 | 4.490 | 33.188 | 26.295 | 0.2580 | 5.978 | 3.0 | 85.7 |



Cruise 1196 Consecutive Station # 30 Depth m:172 Time: 1989-05-22 04:08
 Position: 41° 42.66'N 68° 34.04'W Depth Deck Offset: -0.40 Fish 1

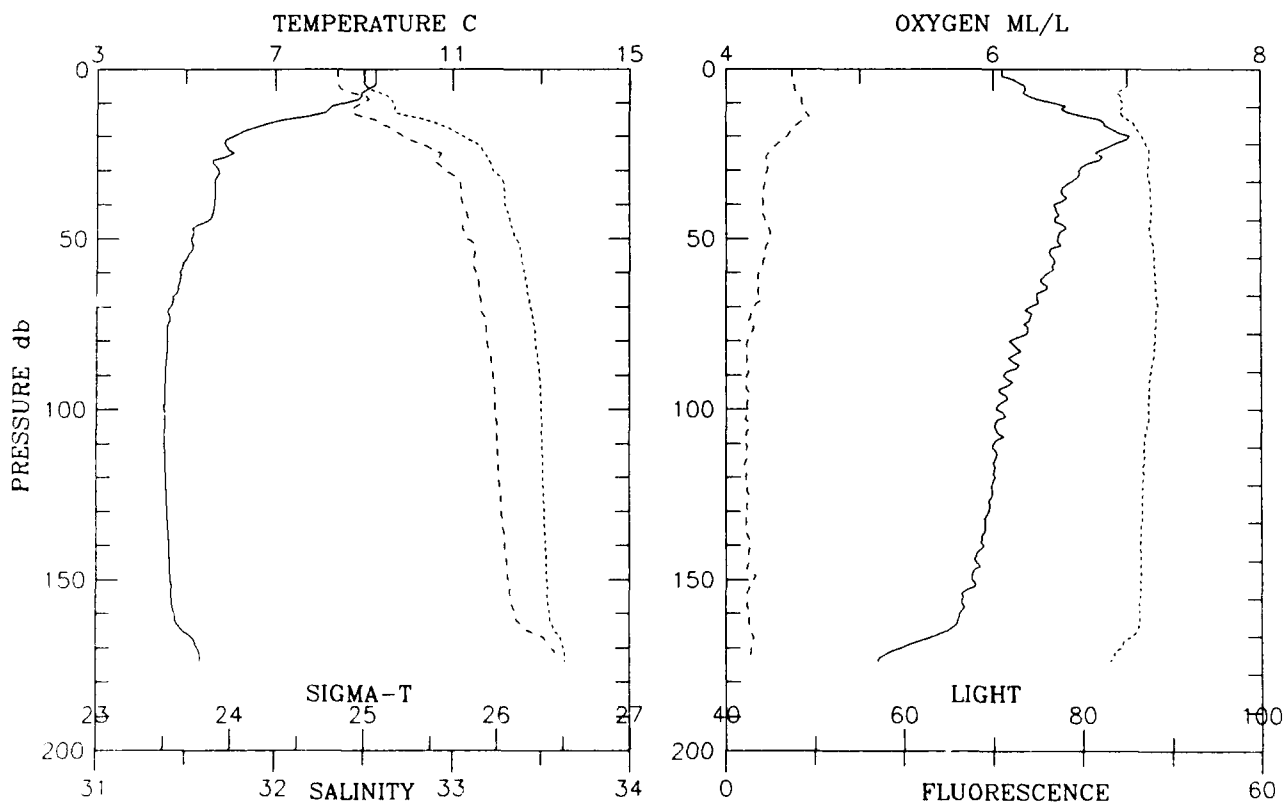
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|-------|--------|--------|--------|-------|------|
| 0.0 | E | 9.198 | 32.537 | 25.159 | 0.0000 | 6.086 | 7.2 |
| 10.0 | | 8.022 | 32.759 | 25.511 | 0.0268 | 6.497 | 11.1 |
| 20.0 | | 7.306 | 32.789 | 25.636 | 0.0504 | 6.595 | 7.4 |
| 30.0 | | 5.907 | 32.861 | 25.875 | 0.0725 | 6.748 | 4.4 |
| 40.0 | | 5.493 | 32.924 | 25.974 | 0.0929 | 6.625 | 3.8 |
| 50.0 | | 5.195 | 33.001 | 26.069 | 0.1124 | 6.450 | 3.8 |
| 60.0 | | 5.224 | 33.046 | 26.101 | 0.1312 | 6.404 | 3.9 |
| 70.0 | | 5.293 | 33.124 | 26.155 | 0.1497 | 6.296 | 4.4 |
| 80.0 | | 5.155 | 33.141 | 26.184 | 0.1678 | 6.332 | 4.8 |
| 90.0 | | 4.881 | 33.164 | 26.233 | 0.1855 | 6.297 | 4.3 |
| 100.0 | | 4.710 | 33.178 | 26.263 | 0.2028 | 6.206 | 3.1 |
| 110.0 | | 4.535 | 33.203 | 26.302 | 0.2198 | 6.129 | 2.3 |
| 120.0 | | 4.555 | 33.234 | 26.324 | 0.2366 | 6.092 | 2.2 |
| 130.0 | | 4.561 | 33.253 | 26.339 | 0.2531 | 6.004 | 2.5 |
| 140.0 | | 4.584 | 33.269 | 26.349 | 0.2696 | 5.921 | 2.9 |
| 150.0 | | 4.595 | 33.274 | 26.351 | 0.2860 | 5.871 | 3.0 |
| 160.0 | | 4.598 | 33.275 | 26.352 | 0.3024 | 5.862 | 3.2 |
| 163.0 | | 4.598 | 33.275 | 26.352 | 0.3073 | 6.378 | 3.3 |



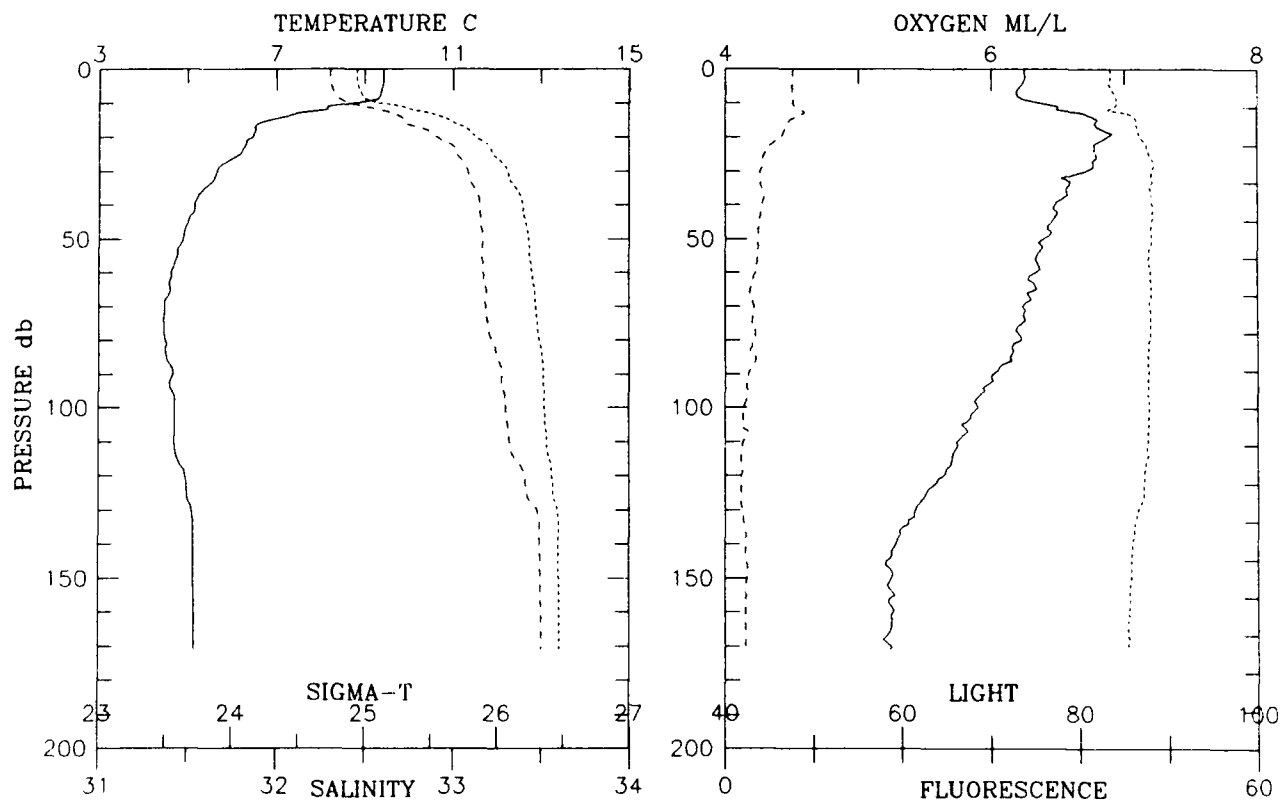
Cruise EN196 Consecutive Station # 31 Depth m:183 Time: 1989-05-22 07:09
 Position: 41° 43.91'N 68° 39.84'W Depth Deck Offset: -0.40 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.261 | 32.352 | 25.005 | 0.0000 | 6.067 | 7.4 | 85.0 |
| 10.0 | 8.550 | 32.486 | 25.219 | 0.0285 | 6.454 | 8.5 | 84.5 |
| 20.0 | 6.066 | 32.723 | 25.745 | 0.0534 | 7.019 | 6.9 | 86.7 |
| 30.0 | 5.736 | 32.953 | 25.967 | 0.0741 | 6.640 | 4.6 | 87.3 |
| 40.0 | 5.637 | 33.054 | 26.059 | 0.0934 | 6.452 | 4.1 | 87.7 |
| 50.0 | 5.107 | 33.080 | 26.141 | 0.1121 | 6.480 | 4.8 | 87.6 |
| 60.0 | 4.883 | 33.138 | 26.212 | 0.1300 | 6.413 | 3.7 | 88.1 |
| 70.0 | 4.658 | 33.160 | 26.254 | 0.1475 | 6.266 | 3.1 | 88.4 |
| 80.0 | 4.588 | 33.196 | 26.291 | 0.1645 | 6.119 | 2.4 | 88.1 |
| 90.0 | 4.543 | 33.228 | 26.321 | 0.1813 | 6.076 | 2.3 | 87.5 |
| 100.0 | 4.520 | 33.239 | 26.332 | 0.1978 | 6.022 | 2.3 | 87.3 |
| 110.0 | 4.534 | 33.253 | 26.342 | 0.2143 | 6.000 | 2.2 | 86.9 |
| 120.0 | 4.555 | 33.264 | 26.348 | 0.2308 | 6.010 | 2.2 | 86.8 |
| 130.0 | 4.584 | 33.277 | 26.355 | 0.2471 | 5.961 | 2.4 | 86.6 |
| 140.0 | 4.627 | 33.297 | 26.367 | 0.2634 | 5.928 | 2.5 | 86.4 |
| 150.0 | 4.666 | 33.315 | 26.376 | 0.2796 | 5.836 | 3.0 | 86.4 |
| 160.0 | 4.765 | 33.359 | 26.401 | 0.2957 | 5.745 | 2.5 | 86.3 |
| 170.0 | 5.268 | 33.559 | 26.502 | 0.3113 | 5.301 | 2.8 | 84.2 |
| 174.0 | 5.330 | 33.581 | 26.512 | 0.3173 | 5.131 | 3.0 | 83.0 |



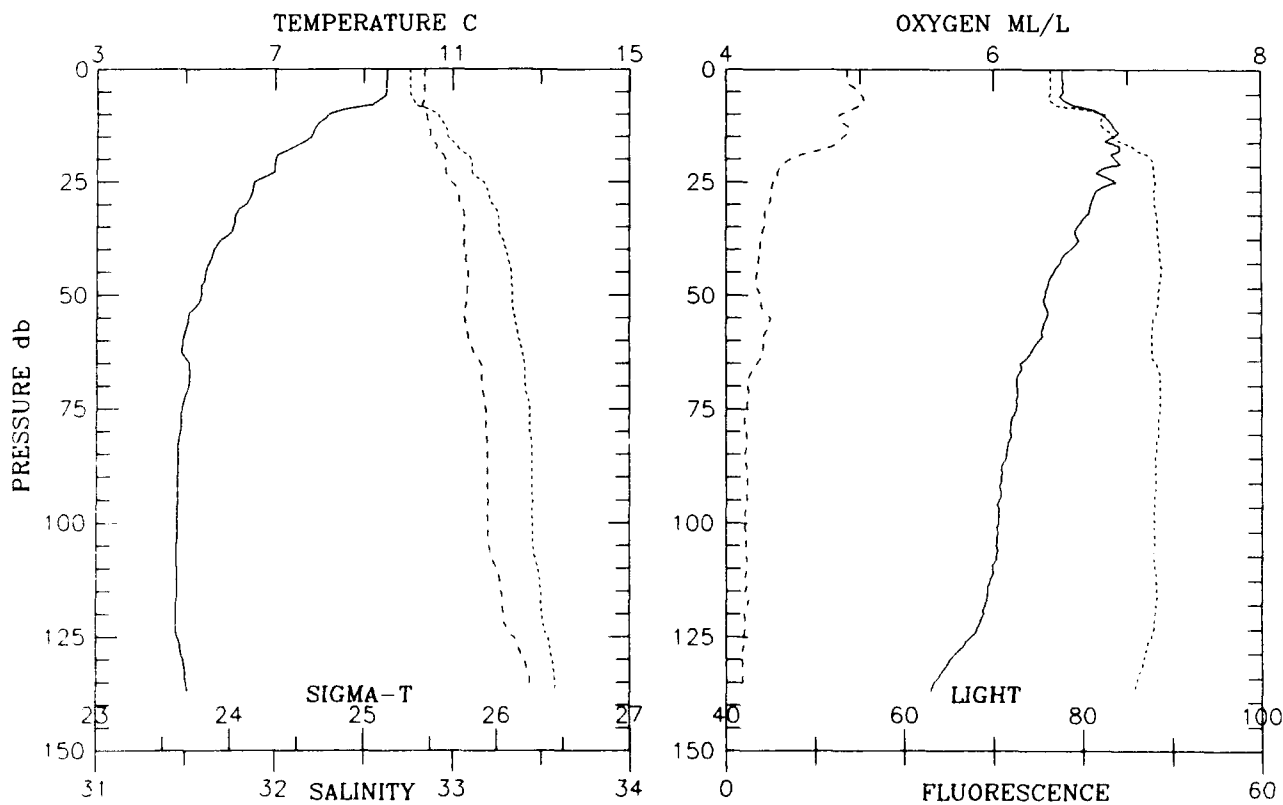
Cruise EN196 Consecutive Station # 32 Depth m:175 Time: 1989-05-22 08:42
 Position: 41° 45.82'N 68° 45.85'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.417 | 32.306 | 24.944 | 0.0000 | 6.249 | 7.6 | 83.4 |
| 10.0 | 8.793 | 32.401 | 25.116 | 0.0295 | 6.376 | 7.6 | 84.3 |
| 20.0 | 6.484 | 32.909 | 25.840 | 0.0531 | 6.869 | 6.3 | 86.7 |
| 30.0 | 5.662 | 33.084 | 26.080 | 0.0729 | 6.699 | 3.9 | 88.1 |
| 40.0 | 5.161 | 33.153 | 26.193 | 0.0913 | 6.476 | 4.1 | 88.1 |
| 50.0 | 4.891 | 33.170 | 26.237 | 0.1089 | 6.385 | 3.7 | 88.0 |
| 60.0 | 4.638 | 33.171 | 26.266 | 0.1261 | 6.331 | 3.4 | 87.9 |
| 70.0 | 4.485 | 33.186 | 26.294 | 0.1431 | 6.235 | 3.2 | 87.8 |
| 80.0 | 4.503 | 33.221 | 26.319 | 0.1599 | 6.224 | 3.3 | 87.8 |
| 90.0 | 4.671 | 33.281 | 26.349 | 0.1764 | 6.007 | 2.6 | 87.7 |
| 100.0 | 4.716 | 33.300 | 26.359 | 0.1927 | 5.898 | 2.1 | 87.8 |
| 110.0 | 4.712 | 33.320 | 26.375 | 0.2089 | 5.741 | 2.0 | 87.6 |
| 120.0 | 4.958 | 33.402 | 26.413 | 0.2249 | 5.640 | 1.8 | 87.2 |
| 130.0 | 5.101 | 33.476 | 26.456 | 0.2406 | 5.428 | 2.0 | 86.5 |
| 140.0 | 5.142 | 33.493 | 26.465 | 0.2559 | 5.284 | 2.3 | 85.8 |
| 150.0 | 5.149 | 33.496 | 26.467 | 0.2713 | 5.245 | 2.5 | 85.7 |
| 160.0 | 5.154 | 33.498 | 26.468 | 0.2866 | 5.265 | 2.3 | 85.2 |
| 170.0 | 5.154 | 33.499 | 26.468 | 0.3020 | 5.248 | 2.3 | 85.4 |
| 171.0 | 5.155 | 33.498 | 26.467 | 0.3035 | 5.239 | 2.2 | 85.3 |



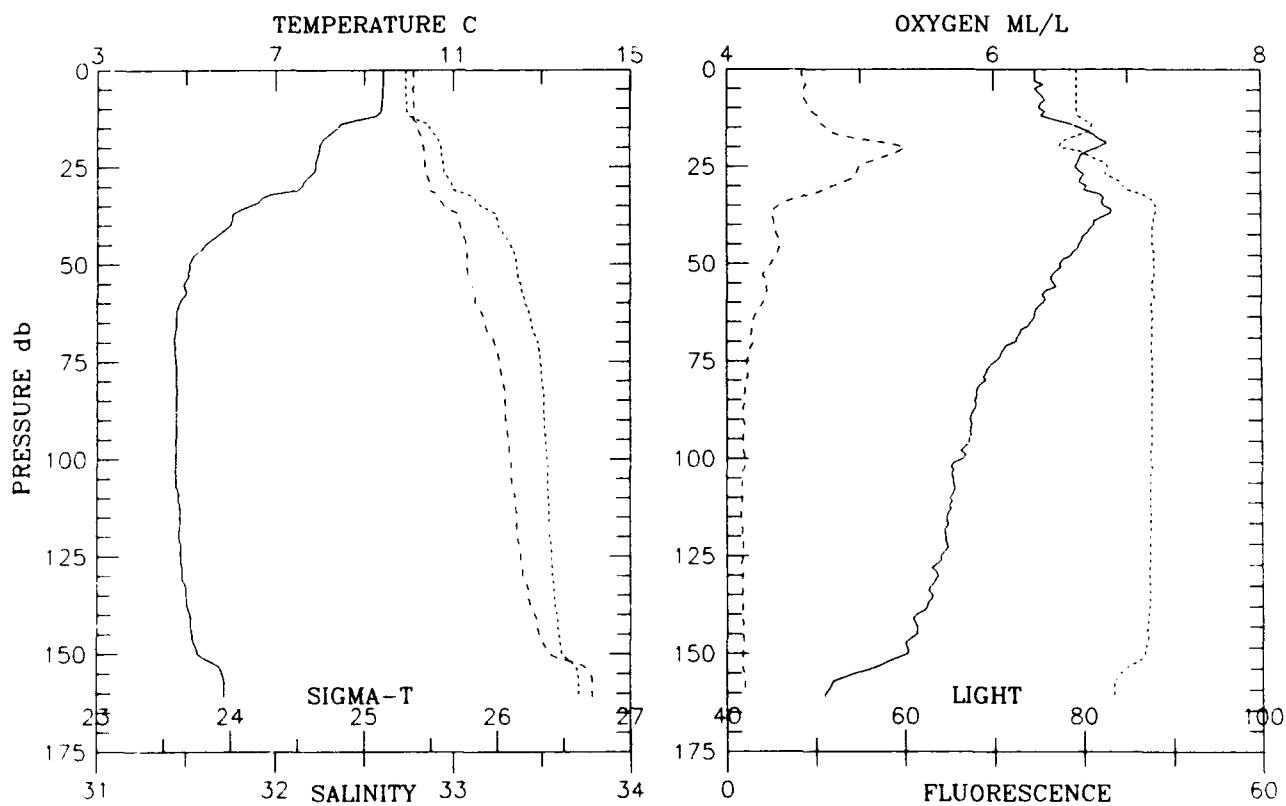
Cruise EN196 Consecutive Station # 33 Depth m:160 Time: 1989-05-22 10:06
 Position: 41° 51.00'N 68° 43.57'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.513 | 32.844 | 25.349 | 0.0000 | 6.515 | 13.6 |
| 10.0 | | 8.212 | 32.851 | 25.556 | 0.0256 | 6.810 | 12.7 |
| 20.0 | | 7.016 | 32.960 | 25.810 | 0.0485 | 6.915 | 7.2 |
| 30.0 | | 6.341 | 33.050 | 25.969 | 0.0692 | 6.726 | 4.7 |
| 40.0 | | 5.639 | 33.074 | 26.075 | 0.0887 | 6.573 | 3.8 |
| 50.0 | | 5.343 | 33.080 | 26.114 | 0.1074 | 6.382 | 3.8 |
| 60.0 | | 4.940 | 33.095 | 26.172 | 0.1257 | 6.337 | 4.0 |
| 70.0 | | 5.069 | 33.167 | 26.215 | 0.1435 | 6.174 | 2.4 |
| 80.0 | | 4.898 | 33.190 | 26.252 | 0.1609 | 6.127 | 2.3 |
| 90.0 | | 4.829 | 33.198 | 26.266 | 0.1781 | 6.059 | 2.4 |
| 100.0 | | 4.819 | 33.200 | 26.268 | 0.1952 | 6.039 | 2.2 |
| 110.0 | | 4.803 | 33.246 | 26.307 | 0.2123 | 5.993 | 2.2 |
| 120.0 | | 4.793 | 33.288 | 26.341 | 0.2289 | 5.922 | 2.0 |
| 130.0 | | 4.956 | 33.407 | 26.417 | 0.2450 | 5.672 | 1.8 |
| 137.0 | | 5.050 | 33.452 | 26.443 | 0.2560 | 5.524 | 1.7 |



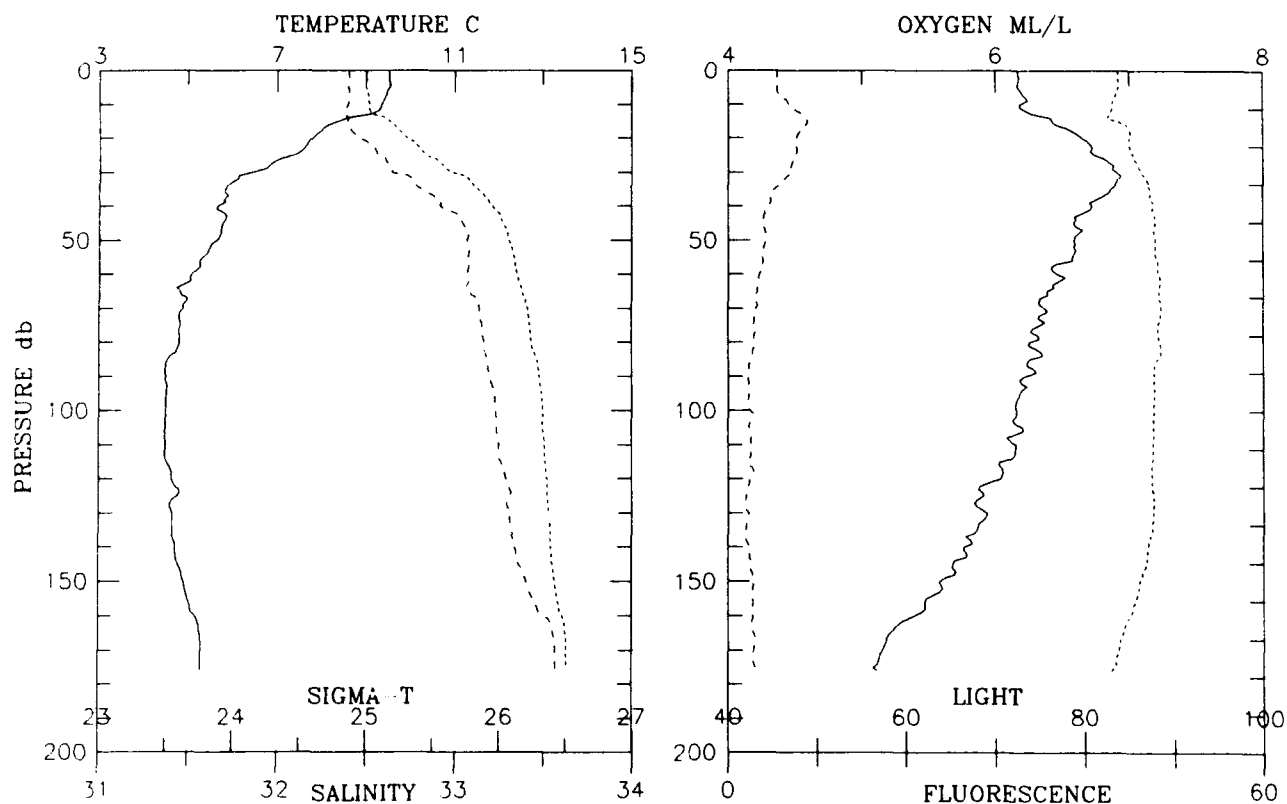
Cruise EN196 Consecutive Station # 34 Depth m:163 Time: 1989-05-22 11:31
 Position: 41° 49.50'N 68° 36.94'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.413 | 32.776 | 25.312 | 0.0000 | 6.311 | 8.5 | 79.3 |
| 10.0 | 9.380 | 32.775 | 25.316 | 0.0262 | 6.339 | 9.3 | 79.3 |
| 20.0 | 7.990 | 32.835 | 25.576 | 0.0510 | 6.790 | 20.1 | 77.4 |
| 30.0 | 7.588 | 32.867 | 25.659 | 0.0745 | 6.694 | 11.9 | 84.5 |
| 40.0 | 5.989 | 33.038 | 26.004 | 0.0953 | 6.746 | 5.3 | 87.8 |
| 50.0 | 5.074 | 33.076 | 26.142 | 0.1141 | 6.490 | 4.9 | 87.9 |
| 60.0 | 4.855 | 33.126 | 26.206 | 0.1322 | 6.375 | 4.1 | 87.7 |
| 70.0 | 4.734 | 33.232 | 26.304 | 0.1494 | 6.164 | 3.0 | 87.6 |
| 80.0 | 4.782 | 33.278 | 26.334 | 0.1660 | 5.937 | 2.2 | 87.7 |
| 90.0 | 4.771 | 33.297 | 26.351 | 0.1824 | 5.819 | 1.8 | 87.6 |
| 100.0 | 4.767 | 33.323 | 26.372 | 0.1987 | 5.765 | 2.0 | 87.5 |
| 110.0 | 4.830 | 33.345 | 26.382 | 0.2148 | 5.672 | 1.7 | 87.5 |
| 120.0 | 4.843 | 33.360 | 26.392 | 0.2308 | 5.636 | 1.7 | 87.4 |
| 130.0 | 4.906 | 33.391 | 26.410 | 0.2467 | 5.578 | 1.7 | 87.3 |
| 140.0 | 5.084 | 33.460 | 26.445 | 0.2624 | 5.417 | 1.7 | 87.2 |
| 150.0 | 5.258 | 33.538 | 26.486 | 0.2778 | 5.353 | 1.8 | 86.8 |
| 160.0 | 5.854 | 33.785 | 26.611 | 0.2921 | 4.741 | 2.0 | 83.3 |
| 161.0 | 5.854 | 33.784 | 26.610 | 0.2935 | 4.729 | 2.0 | 83.3 |



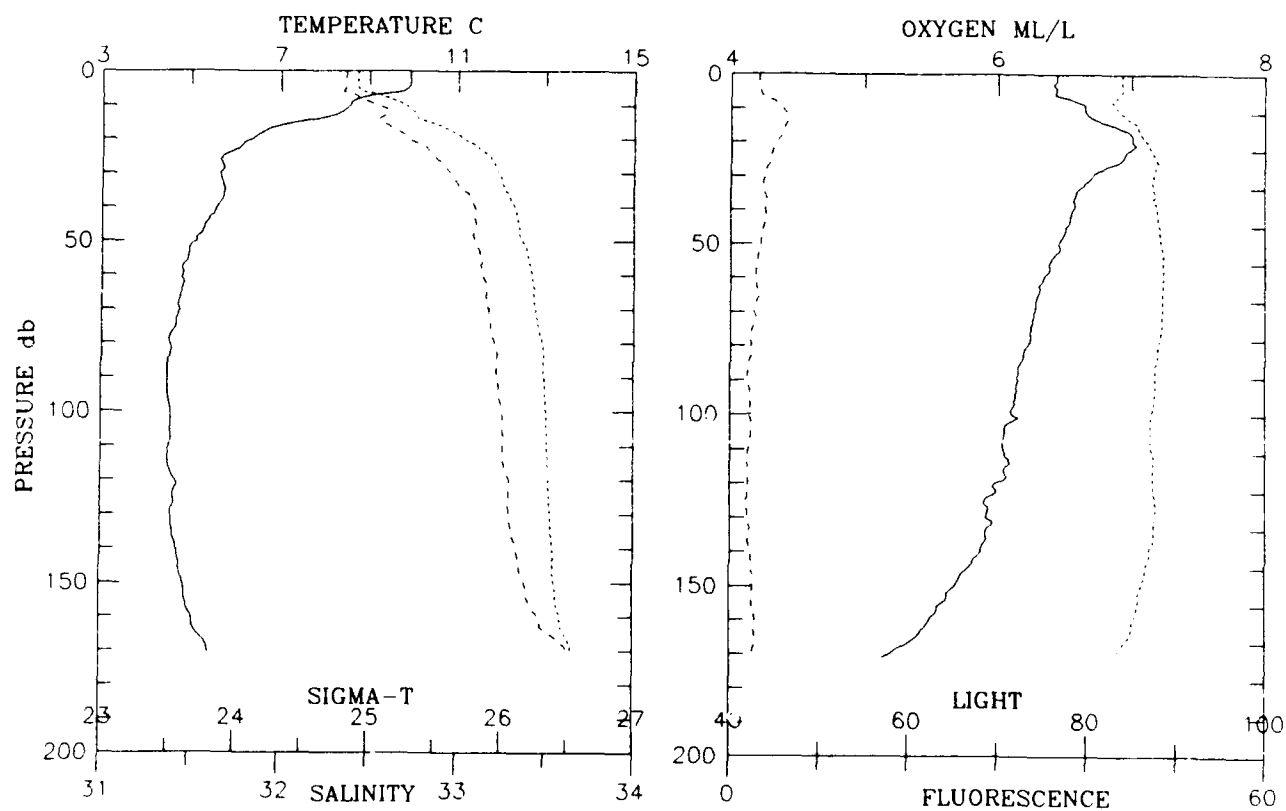
Cruise EN196 Consecutive Station # 35 Depth m:182 Time: 1989-05-22 13:06
 Position: 41° 44.08'N 68° 39.93'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.526 | 32.405 | 25.004 | 0.0000 | 6.172 | 5.5 |
| 10.0 | | 9.354 | 32.396 | 25.024 | 0.0291 | 6.187 | 6.8 |
| 20.0 | | 7.801 | 32.453 | 25.303 | 0.0568 | 6.646 | 7.7 |
| 30.0 | | 6.439 | 32.642 | 25.635 | 0.0815 | 6.906 | 7.1 |
| 40.0 | | 5.675 | 32.918 | 25.948 | 0.1027 | 6.722 | 4.5 |
| 50.0 | | 5.649 | 33.072 | 26.072 | 0.1221 | 6.586 | 4.2 |
| 60.0 | | 5.090 | 33.070 | 26.135 | 0.1408 | 6.459 | 3.5 |
| 70.0 | | 4.892 | 33.141 | 26.214 | 0.1588 | 6.372 | 3.1 |
| 80.0 | | 4.803 | 33.166 | 26.243 | 0.1763 | 6.254 | 2.9 |
| 90.0 | | 4.496 | 33.199 | 26.302 | 0.1933 | 6.215 | 2.2 |
| 100.0 | | 4.498 | 33.231 | 26.328 | 0.2100 | 6.158 | 2.4 |
| 110.0 | | 4.497 | 33.249 | 26.342 | 0.2265 | 6.155 | 2.6 |
| 120.0 | | 4.638 | 33.290 | 26.360 | 0.2429 | 6.037 | 2.4 |
| 130.0 | | 4.649 | 33.308 | 26.373 | 0.2591 | 5.938 | 2.3 |
| 140.0 | | 4.716 | 33.341 | 26.392 | 0.2752 | 5.764 | 2.4 |
| 150.0 | | 4.908 | 33.403 | 26.419 | 0.2912 | 5.579 | 2.8 |
| 160.0 | | 5.167 | 33.511 | 26.476 | 0.3067 | 5.387 | 2.7 |
| 170.0 | | 5.301 | 33.566 | 26.504 | 0.3218 | 5.153 | 2.8 |
| 176.0 | | 5.309 | 33.569 | 26.505 | 0.3308 | 5.115 | 3.1 |



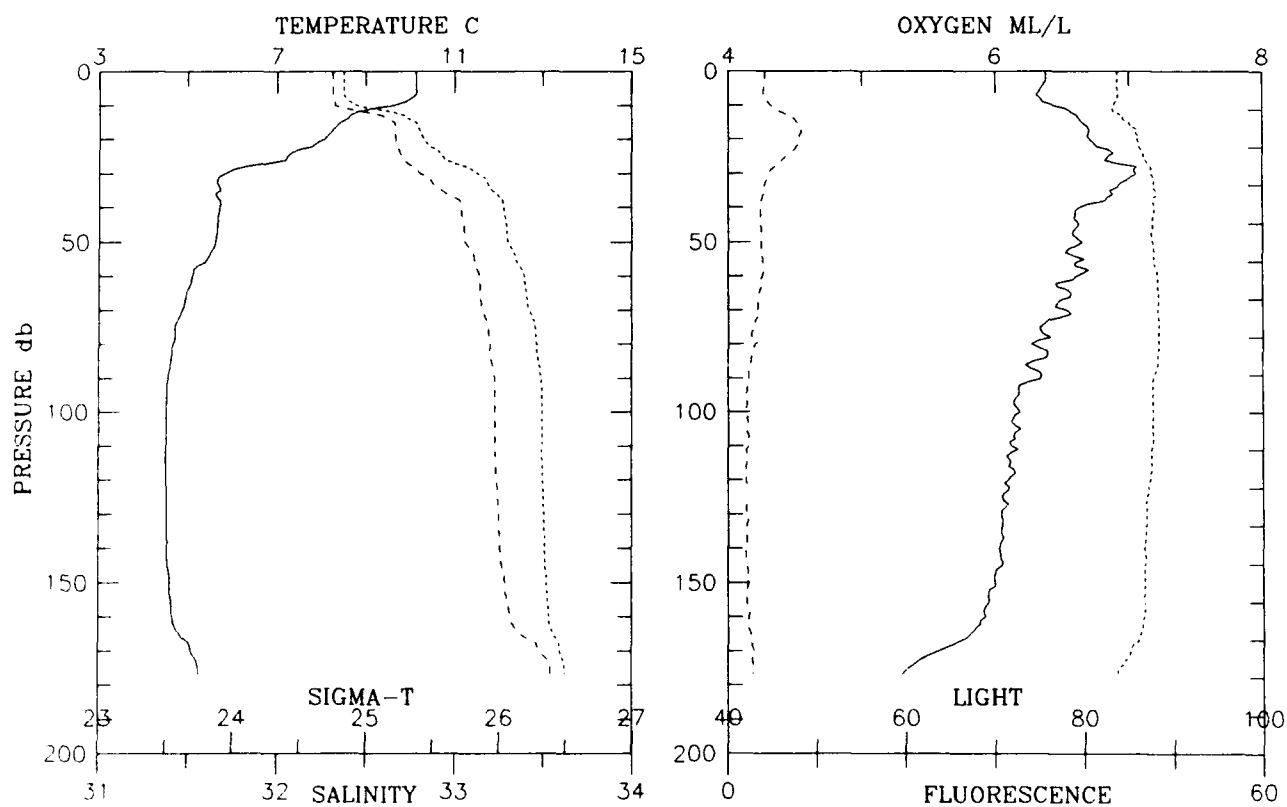
Cruise EN196 Consecutive Station # 36 Depth m:183 Time: 1989-05-22 17:04
 Position: 41° 45.88'N 68° 39.29'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.918 | 32.367 | 24.910 | 0.0000 | 6.436 | 3.1 | 83.9 |
| 10.0 | 8.553 | 32.543 | 25.264 | 0.0292 | 6.649 | 5.7 | 83.4 |
| 20.0 | 6.377 | 32.718 | 25.703 | 0.0538 | 7.006 | 5.1 | 86.8 |
| 30.0 | 5.659 | 32.961 | 25.983 | 0.0746 | 6.705 | 3.9 | 87.5 |
| 40.0 | 5.595 | 33.100 | 26.101 | 0.0939 | 6.559 | 3.9 | 87.9 |
| 50.0 | 5.144 | 33.106 | 26.158 | 0.1124 | 6.457 | 3.4 | 88.3 |
| 60.0 | 4.819 | 33.146 | 26.226 | 0.1301 | 6.342 | 2.9 | 88.6 |
| 70.0 | 4.757 | 33.180 | 26.260 | 0.1475 | 6.270 | 2.6 | 88.5 |
| 80.0 | 4.534 | 33.211 | 26.308 | 0.1645 | 6.220 | 2.3 | 87.9 |
| 90.0 | 4.496 | 33.231 | 26.328 | 0.1811 | 6.157 | 2.0 | 87.7 |
| 100.0 | 4.573 | 33.258 | 26.341 | 0.1976 | 6.110 | 2.0 | 87.2 |
| 110.0 | 4.532 | 33.260 | 26.347 | 0.2140 | 6.044 | 2.0 | 87.2 |
| 120.0 | 4.680 | 33.300 | 26.363 | 0.2304 | 5.980 | 2.0 | 87.4 |
| 130.0 | 4.580 | 33.297 | 26.371 | 0.2466 | 5.914 | 1.9 | 87.5 |
| 140.0 | 4.707 | 33.339 | 26.391 | 0.2627 | 5.873 | 2.2 | 87.0 |
| 150.0 | 4.885 | 33.391 | 26.412 | 0.2787 | 5.687 | 2.6 | 86.1 |
| 160.0 | 5.064 | 33.465 | 26.451 | 0.2944 | 5.498 | 2.9 | 85.1 |
| 170.0 | 5.437 | 33.627 | 26.536 | 0.3096 | 5.198 | 2.6 | 83.4 |
| 171.0 | 5.457 | 33.631 | 26.537 | 0.3110 | 5.142 | 2.6 | 83.3 |



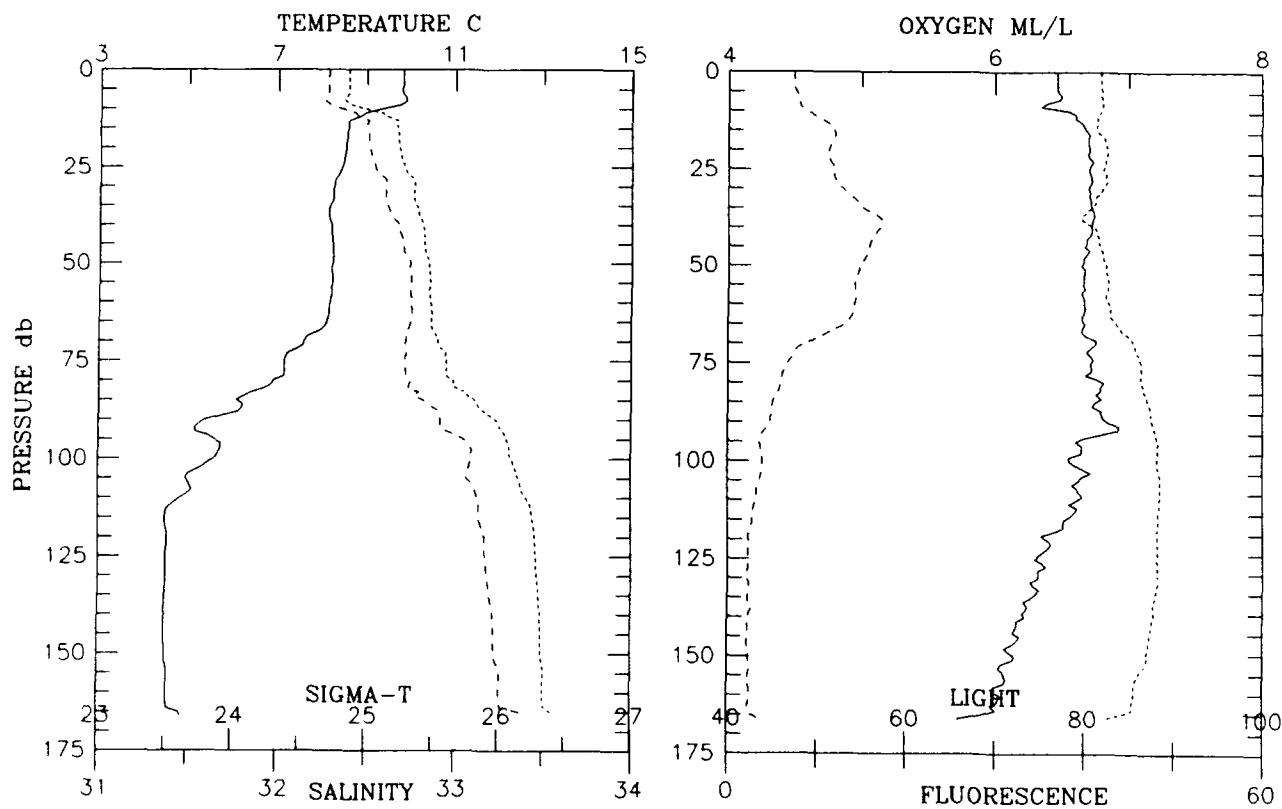
Cruise EN196 Consecutive Station # 37 Depth m:185 Time: 1989-05-22 19:46
 Position: 41° 44.75'N 68° 38.96'W Depth Deck Offset: -0.38 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.126 | 32.315 | 24.836 | 0.0000 | 6.377 | 4.1 | 83.7 |
| 10.0 | 9.617 | 32.324 | 24.926 | 0.0307 | 6.441 | 4.8 | 83.3 |
| 20.0 | 8.069 | 32.667 | 25.432 | 0.0570 | 6.702 | 7.9 | 85.9 |
| 30.0 | 5.839 | 32.806 | 25.839 | 0.0804 | 7.052 | 4.6 | 87.5 |
| 40.0 | 5.707 | 33.037 | 26.038 | 0.1005 | 6.628 | 3.6 | 87.9 |
| 50.0 | 5.609 | 33.056 | 26.064 | 0.1196 | 6.645 | 3.7 | 87.6 |
| 60.0 | 5.096 | 33.141 | 26.191 | 0.1381 | 6.603 | 3.8 | 88.2 |
| 70.0 | 4.868 | 33.158 | 26.230 | 0.1558 | 6.538 | 3.3 | 88.2 |
| 80.0 | 4.669 | 33.198 | 26.283 | 0.1729 | 6.266 | 3.0 | 88.3 |
| 90.0 | 4.557 | 33.226 | 26.317 | 0.1898 | 6.335 | 2.3 | 87.7 |
| 100.0 | 4.517 | 33.227 | 26.322 | 0.2064 | 6.182 | 2.2 | 87.6 |
| 110.0 | 4.514 | 33.228 | 26.323 | 0.2230 | 6.117 | 2.2 | 87.5 |
| 120.0 | 4.519 | 33.236 | 26.329 | 0.2396 | 6.099 | 2.0 | 87.3 |
| 130.0 | 4.530 | 33.247 | 26.337 | 0.2561 | 6.045 | 2.2 | 86.9 |
| 140.0 | 4.542 | 33.257 | 26.344 | 0.2726 | 6.032 | 2.0 | 86.7 |
| 150.0 | 4.600 | 33.284 | 26.359 | 0.2890 | 5.997 | 2.2 | 86.7 |
| 160.0 | 4.661 | 33.311 | 26.374 | 0.3053 | 5.922 | 2.3 | 86.6 |
| 170.0 | 5.086 | 33.479 | 26.460 | 0.3212 | 5.571 | 2.9 | 85.1 |
| 177.0 | 5.243 | 33.541 | 26.491 | 0.3318 | 5.298 | 2.8 | 83.5 |



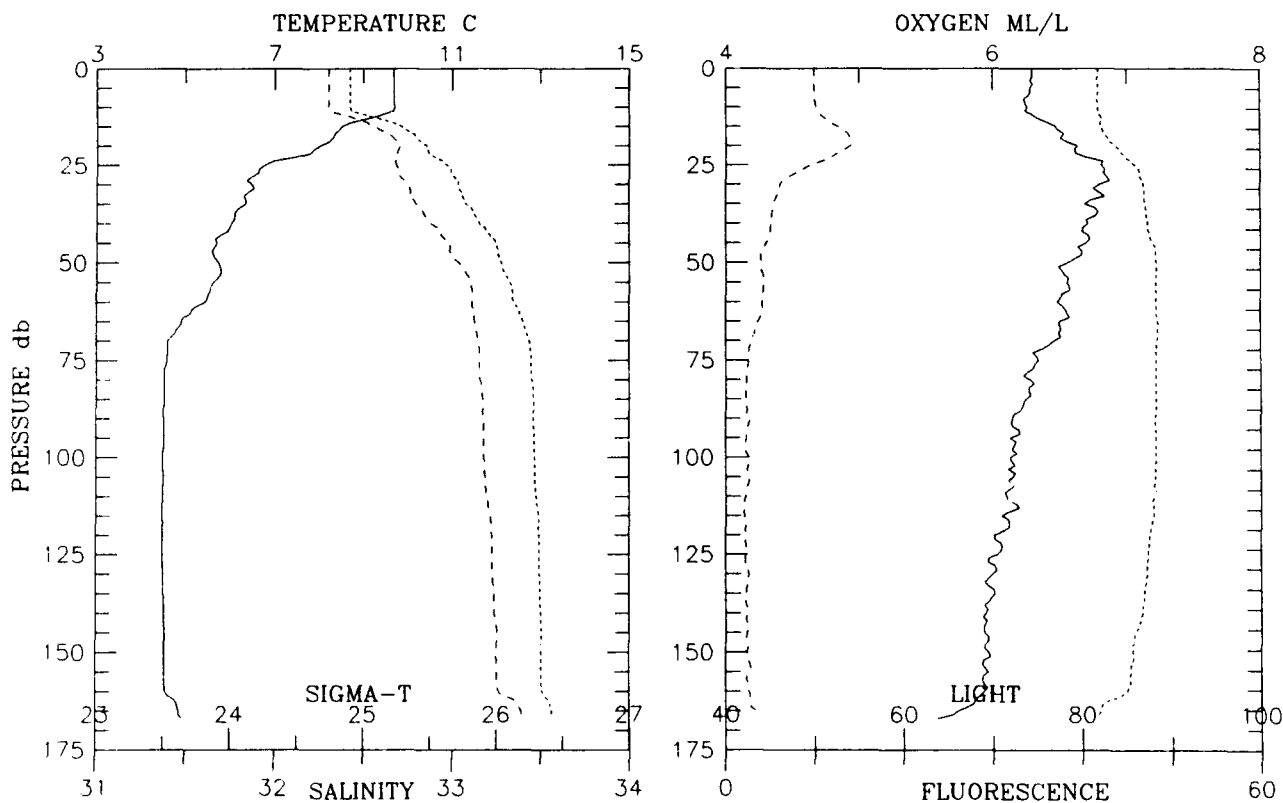
Cruise EN196 Consecutive Station # 38 Depth m:172 Time: 1989-05-22 22:02
 Position: 41° 41.84'N 68° 40.37'W Depth Deck Offset: -0.53 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.807 | 32.284 | 24.864 | 0.0000 | 6.466 | 7.4 | 81.9 |
| 10.0 | 9.343 | 32.348 | 24.988 | 0.0305 | 6.543 | 8.6 | 81.9 |
| 20.0 | 8.530 | 32.517 | 25.246 | 0.0578 | 6.708 | 11.3 | 82.6 |
| 30.0 | 8.265 | 32.609 | 25.358 | 0.0842 | 6.706 | 12.9 | 82.1 |
| 40.0 | 8.207 | 32.684 | 25.426 | 0.1098 | 6.721 | 17.2 | 81.2 |
| 50.0 | 8.235 | 32.745 | 25.469 | 0.1348 | 6.647 | 14.8 | 82.5 |
| 60.0 | 8.178 | 32.756 | 25.486 | 0.1595 | 6.669 | 14.2 | 82.8 |
| 70.0 | 7.611 | 32.725 | 25.544 | 0.1840 | 6.754 | 8.7 | 85.6 |
| 80.0 | 6.908 | 32.751 | 25.660 | 0.2076 | 6.811 | 6.0 | 86.4 |
| 90.0 | 5.410 | 32.921 | 25.980 | 0.2293 | 6.845 | 4.8 | 87.6 |
| 100.0 | 5.610 | 33.099 | 26.098 | 0.2485 | 6.558 | 3.9 | 88.2 |
| 110.0 | 4.852 | 33.131 | 26.211 | 0.2668 | 6.608 | 3.1 | 88.4 |
| 120.0 | 4.545 | 33.171 | 26.275 | 0.2841 | 6.391 | 2.3 | 88.2 |
| 130.0 | 4.509 | 33.185 | 26.290 | 0.3011 | 6.317 | 2.1 | 88.2 |
| 140.0 | 4.498 | 33.220 | 26.319 | 0.3180 | 6.219 | 2.3 | 87.7 |
| 150.0 | 4.511 | 33.230 | 26.325 | 0.3346 | 6.148 | 2.3 | 87.1 |
| 160.0 | 4.568 | 33.261 | 26.344 | 0.3512 | 6.041 | 2.4 | 85.6 |
| 166.0 | 4.888 | 33.400 | 26.420 | 0.3609 | 5.726 | 3.6 | 82.2 |



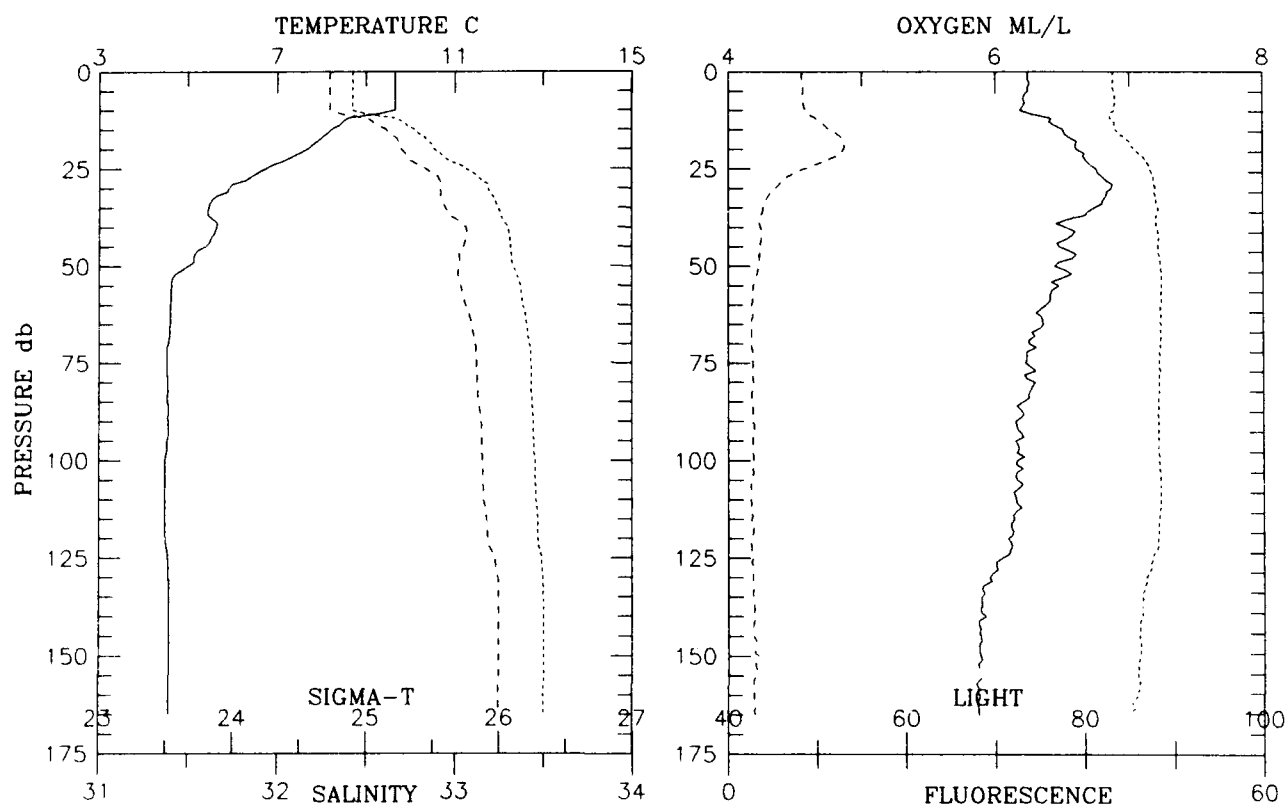
Cruise EN196 Consecutive Station # 39 Depth m:174 Time: 1989-05-23 01:05
 Position: 41° 42.06'N 68° 40.13'W Depth Deck Offset: -0.35 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.680 | 32.304 | 24.900 | 0.0000 | 6.296 | 9.9 |
| 10.0 | | 9.689 | 32.299 | 24.895 | 0.0302 | 6.260 | 10.2 |
| 20.0 | | 8.002 | 32.707 | 25.473 | 0.0572 | 6.630 | 14.0 |
| 30.0 | | 6.479 | 32.745 | 25.711 | 0.0807 | 6.797 | 6.1 |
| 40.0 | | 6.024 | 32.877 | 25.872 | 0.1024 | 6.708 | 5.1 |
| 50.0 | | 5.742 | 33.039 | 26.035 | 0.1223 | 6.560 | 4.0 |
| 60.0 | | 5.450 | 33.114 | 26.128 | 0.1411 | 6.483 | 4.1 |
| 70.0 | | 4.609 | 33.145 | 26.248 | 0.1589 | 6.457 | 2.9 |
| 80.0 | | 4.528 | 33.158 | 26.266 | 0.1761 | 6.276 | 2.3 |
| 90.0 | | 4.528 | 33.177 | 26.281 | 0.1932 | 6.149 | 2.8 |
| 100.0 | | 4.506 | 33.181 | 26.287 | 0.2102 | 6.125 | 2.7 |
| 110.0 | | 4.504 | 33.199 | 26.301 | 0.2271 | 6.103 | 2.2 |
| 120.0 | | 4.499 | 33.225 | 26.323 | 0.2438 | 6.008 | 2.2 |
| 130.0 | | 4.510 | 33.230 | 26.325 | 0.2604 | 5.999 | 2.6 |
| 140.0 | | 4.525 | 33.240 | 26.332 | 0.2770 | 5.944 | 2.4 |
| 150.0 | | 4.547 | 33.252 | 26.339 | 0.2935 | 5.967 | 2.4 |
| 160.0 | | 4.568 | 33.264 | 26.346 | 0.3101 | 5.935 | 2.6 |
| 167.0 | | 4.936 | 33.418 | 26.429 | 0.3213 | 5.577 | 3.5 |



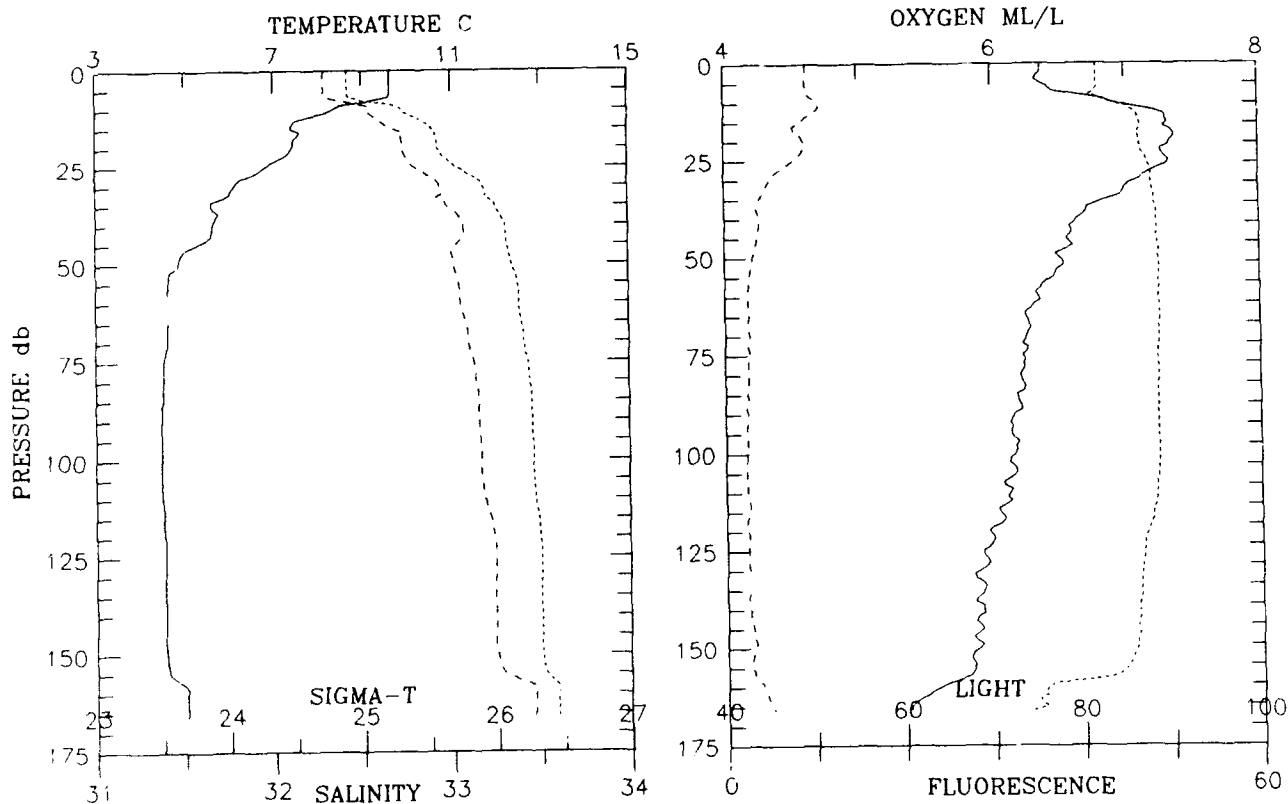
Cruise EN196 Consecutive Station # 40 Depth m:174 Time: 1989-05-23 04:06
 Position: 41° 42.02'N 68° 40.30'W Depth Deck Offset: -0.35 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.646 | 32.298 | 24.901 | 0.0000 | 6.243 | 8.3 | 83.2 |
| 10.0 | 9.646 | 32.297 | 24.900 | 0.0302 | 6.185 | 8.6 | 83.3 |
| 20.0 | 7.684 | 32.695 | 25.510 | 0.0563 | 6.602 | 13.0 | 85.6 |
| 30.0 | 5.916 | 32.915 | 25.915 | 0.0785 | 6.864 | 5.2 | 87.9 |
| 40.0 | 5.636 | 33.063 | 26.067 | 0.0982 | 6.527 | 3.6 | 88.0 |
| 50.0 | 4.994 | 33.019 | 26.105 | 0.1171 | 6.442 | 3.4 | 88.5 |
| 60.0 | 4.611 | 33.059 | 26.179 | 0.1353 | 6.373 | 2.6 | 88.5 |
| 70.0 | 4.569 | 33.114 | 26.227 | 0.1530 | 6.249 | 2.6 | 88.4 |
| 80.0 | 4.539 | 33.125 | 26.239 | 0.1704 | 6.291 | 2.8 | 88.3 |
| 90.0 | 4.552 | 33.147 | 26.255 | 0.1877 | 6.149 | 2.7 | 88.2 |
| 100.0 | 4.494 | 33.155 | 26.268 | 0.2049 | 6.159 | 2.8 | 88.3 |
| 110.0 | 4.480 | 33.161 | 26.274 | 0.2220 | 6.150 | 2.5 | 88.4 |
| 120.0 | 4.497 | 33.186 | 26.292 | 0.2390 | 6.088 | 2.6 | 88.1 |
| 130.0 | 4.568 | 33.241 | 26.328 | 0.2557 | 5.954 | 2.7 | 86.8 |
| 140.0 | 4.573 | 33.245 | 26.331 | 0.2723 | 5.921 | 3.0 | 86.4 |
| 150.0 | 4.573 | 33.245 | 26.331 | 0.2889 | 5.883 | 3.4 | 86.1 |
| 160.0 | 4.573 | 33.244 | 26.330 | 0.3055 | 5.879 | 2.9 | 85.8 |
| 165.0 | 4.572 | 33.244 | 26.330 | 0.3138 | 5.877 | 3.0 | 85.0 |



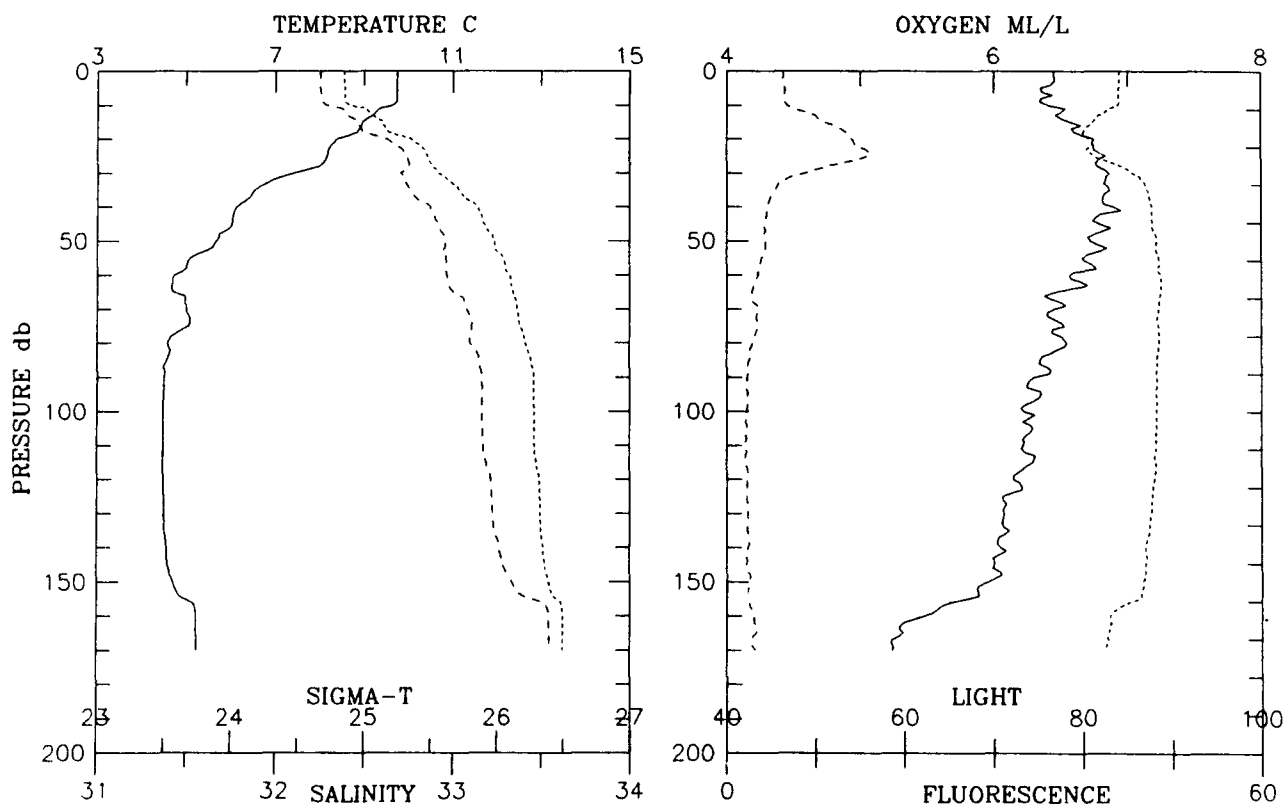
Cruise EN196 Consecutive Station # 41 Depth m:174 Time: 1989-05-23 07:06
 Position: 41° 42.02'N 68° 40.30'W Depth Deck Offset: -0.35 Fish 1

| PRESSURE | Interp | TEMP | SALINITY | SIGMA-T | DELTA-D | OXYGEN | CHANNELA | CHANNELB |
|----------|--------|---------|----------|---------|---------|--------|----------|----------|
| (d-bars) | | (deg C) | (0/00) | | | (ml/l) | (%fluor) | (%light) |
| 0.0 | E | 9.638 | 32.287 | 24.894 | 0.0000 | 6.372 | 9.3 | 81.9 |
| 10.0 | | 8.339 | 32.546 | 25.298 | 0.0295 | 6.918 | 10.7 | 83.9 |
| 20.0 | | 7.423 | 32.724 | 25.568 | 0.0540 | 7.334 | 9.0 | 86.6 |
| 30.0 | | 6.112 | 32.935 | 25.907 | 0.0763 | 7.110 | 5.1 | 87.9 |
| 40.0 | | 5.628 | 33.066 | 26.070 | 0.0961 | 6.642 | 3.8 | 88.4 |
| 50.0 | | 4.871 | 33.019 | 26.120 | 0.1149 | 6.505 | 3.1 | 88.6 |
| 60.0 | | 4.613 | 33.051 | 26.172 | 0.1330 | 6.345 | 2.6 | 88.6 |
| 70.0 | | 4.600 | 33.090 | 26.205 | 0.1509 | 6.249 | 2.7 | 88.6 |
| 80.0 | | 4.526 | 33.136 | 26.250 | 0.1683 | 6.206 | 2.6 | 88.6 |
| 90.0 | | 4.478 | 33.153 | 26.268 | 0.1855 | 6.159 | 2.5 | 88.5 |
| 100.0 | | 4.467 | 33.161 | 26.276 | 0.2026 | 6.160 | 2.3 | 88.5 |
| 110.0 | | 4.488 | 33.184 | 26.292 | 0.2196 | 6.119 | 2.4 | 88.2 |
| 120.0 | | 4.545 | 33.234 | 26.325 | 0.2363 | 5.963 | 2.4 | 87.1 |
| 130.0 | | 4.547 | 33.237 | 26.328 | 0.2529 | 5.889 | 2.5 | 86.4 |
| 140.0 | | 4.545 | 33.237 | 26.328 | 0.2695 | 5.909 | 2.5 | 86.1 |
| 150.0 | | 4.571 | 33.251 | 26.335 | 0.2861 | 5.886 | 3.0 | 85.8 |
| 160.0 | | 5.027 | 33.459 | 26.451 | 0.3023 | 5.582 | 3.8 | 75.8 |
| 166.0 | | 5.024 | 33.453 | 26.447 | 0.3116 | 5.359 | 5.2 | 74.1 |



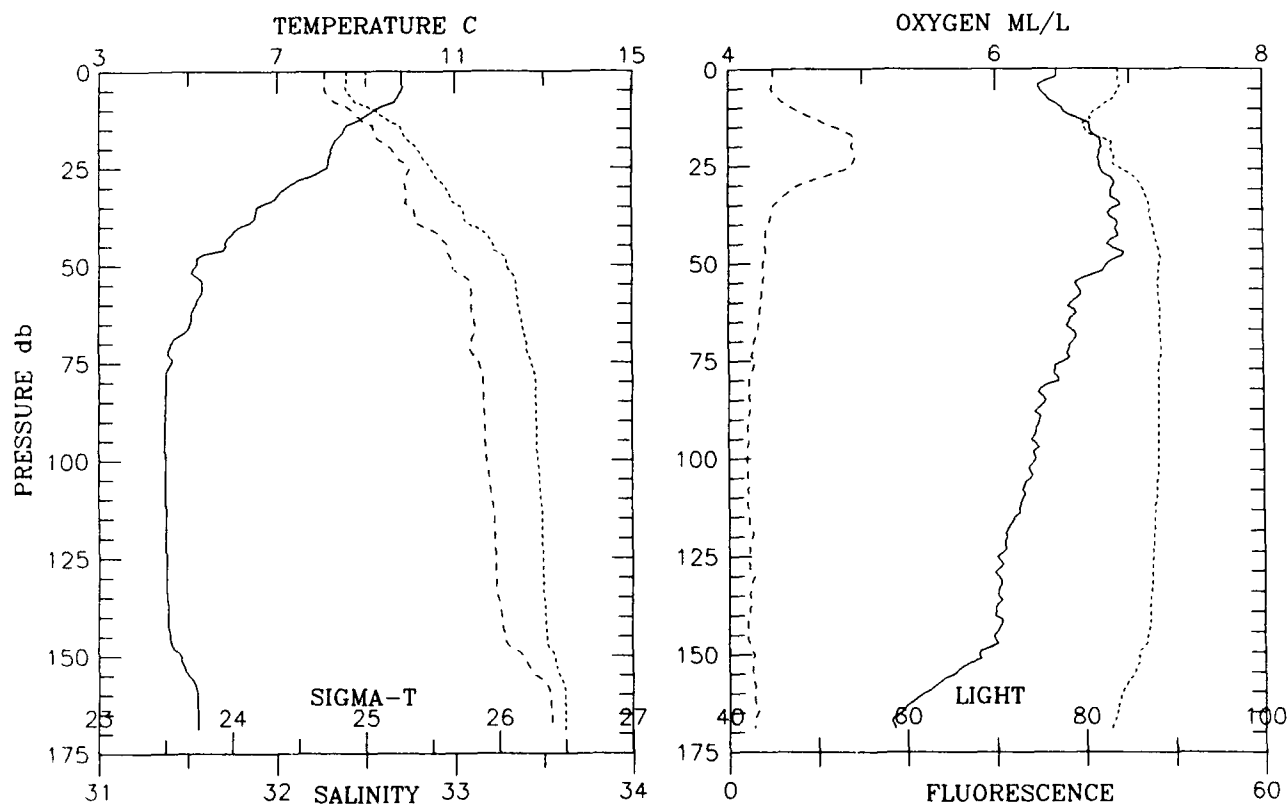
Cruise EN196 Consecutive Station # 42 Depth m:174 Time: 1989-05-23 10:04
 Position: 41° 42.02'N 68° 40.31'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.747 | 32.254 | 24.850 | 0.0000 | 6.449 | 6.3 | 84.1 |
| 10.0 | 9.649 | 32.288 | 24.893 | 0.0306 | 6.411 | 6.8 | 83.9 |
| 20.0 | 8.394 | 32.628 | 25.353 | 0.0586 | 6.747 | 14.1 | 80.7 |
| 30.0 | 7.410 | 32.702 | 25.553 | 0.0834 | 6.858 | 8.7 | 85.5 |
| 40.0 | 6.131 | 32.874 | 25.857 | 0.1058 | 6.899 | 4.5 | 87.7 |
| 50.0 | 5.678 | 32.961 | 25.981 | 0.1263 | 6.724 | 4.3 | 88.2 |
| 60.0 | 4.718 | 32.966 | 26.094 | 0.1457 | 6.566 | 3.5 | 88.6 |
| 70.0 | 5.012 | 33.076 | 26.149 | 0.1642 | 6.441 | 3.6 | 88.4 |
| 80.0 | 4.593 | 33.096 | 26.211 | 0.1821 | 6.542 | 2.9 | 88.5 |
| 90.0 | 4.507 | 33.163 | 26.273 | 0.1994 | 6.293 | 2.2 | 88.2 |
| 100.0 | 4.491 | 33.167 | 26.278 | 0.2165 | 6.223 | 2.2 | 88.2 |
| 110.0 | 4.490 | 33.172 | 26.282 | 0.2335 | 6.216 | 2.1 | 88.1 |
| 120.0 | 4.487 | 33.212 | 26.314 | 0.2504 | 6.144 | 2.2 | 87.9 |
| 130.0 | 4.504 | 33.225 | 26.323 | 0.2671 | 6.075 | 2.4 | 87.5 |
| 140.0 | 4.569 | 33.264 | 26.347 | 0.2836 | 6.049 | 2.4 | 87.0 |
| 150.0 | 4.709 | 33.332 | 26.385 | 0.2999 | 5.949 | 2.4 | 86.7 |
| 160.0 | 5.226 | 33.540 | 26.492 | 0.3155 | 5.479 | 3.0 | 83.0 |
| 170.0 | 5.238 | 33.543 | 26.493 | 0.3306 | 5.241 | 3.2 | 82.5 |



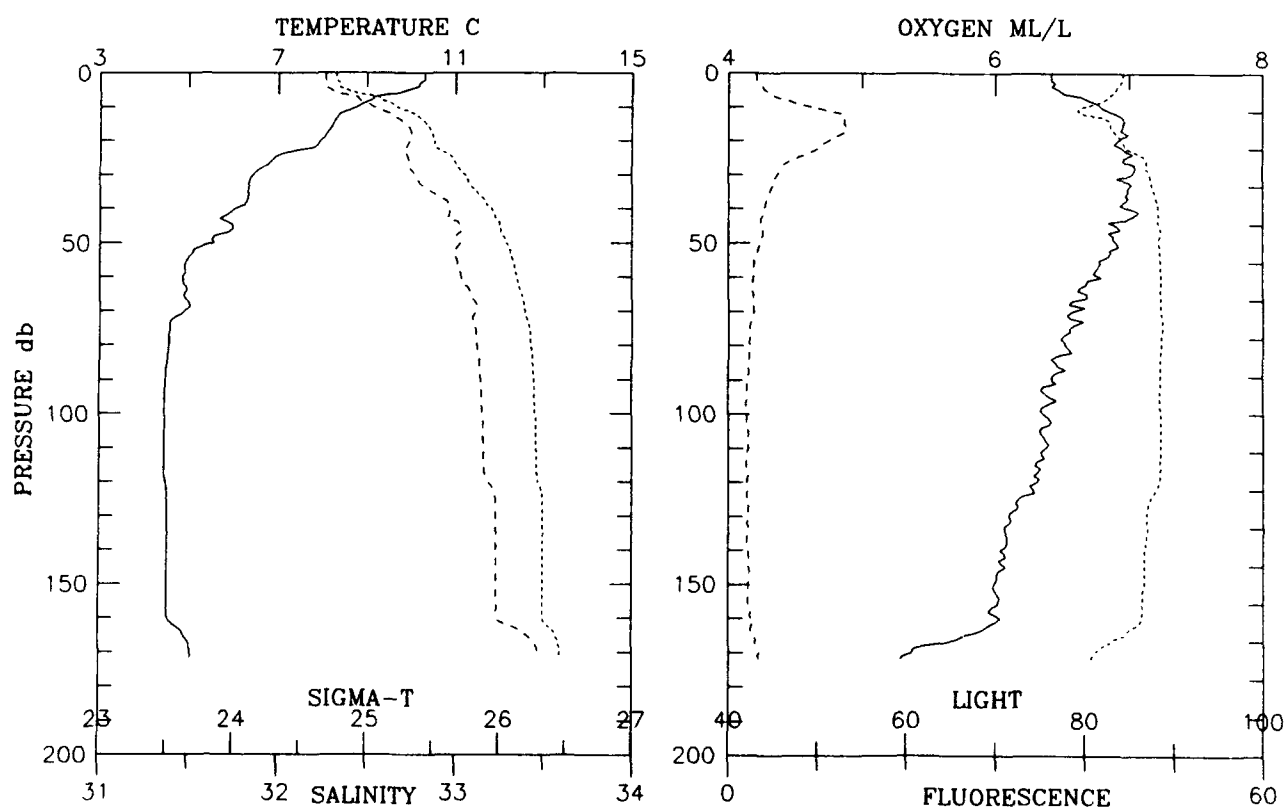
Cruise EN196 Consecutive Station # 43 Depth m:184 Time: 1989-05-23 12:57
 Position: 41° 41.99'N 68° 40.23'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|---------------------|----------------------|
| 0.0 | E 9.796 | 32.268 | 24.853 | 0.0000 | 6.455 | 5.0 | 83.8 |
| 10.0 | 9.209 | 32.420 | 25.066 | 0.0302 | 6.499 | 7.3 | 81.8 |
| 20.0 | 8.223 | 32.644 | 25.392 | 0.0571 | 6.794 | 13.9 | 82.9 |
| 30.0 | 7.225 | 32.724 | 25.596 | 0.0816 | 6.884 | 7.8 | 86.4 |
| 40.0 | 6.156 | 32.821 | 25.812 | 0.1043 | 6.915 | 4.4 | 87.6 |
| 50.0 | 5.182 | 32.982 | 26.055 | 0.1243 | 6.833 | 3.8 | 88.3 |
| 60.0 | 5.181 | 33.091 | 26.141 | 0.1429 | 6.566 | 3.6 | 88.3 |
| 70.0 | 4.638 | 33.096 | 26.206 | 0.1609 | 6.581 | 2.9 | 88.5 |
| 80.0 | 4.497 | 33.156 | 26.269 | 0.1783 | 6.468 | 2.2 | 88.2 |
| 90.0 | 4.493 | 33.165 | 26.276 | 0.1954 | 6.322 | 2.2 | 88.2 |
| 100.0 | 4.486 | 33.175 | 26.285 | 0.2124 | 6.291 | 2.0 | 88.1 |
| 110.0 | 4.485 | 33.207 | 26.310 | 0.2292 | 6.199 | 2.2 | 88.0 |
| 120.0 | 4.503 | 33.224 | 26.322 | 0.2459 | 6.080 | 2.6 | 87.6 |
| 130.0 | 4.518 | 33.232 | 26.327 | 0.2626 | 6.012 | 2.8 | 87.4 |
| 140.0 | 4.558 | 33.262 | 26.346 | 0.2791 | 5.985 | 2.2 | 87.2 |
| 150.0 | 4.848 | 33.386 | 26.413 | 0.2954 | 5.863 | 2.8 | 85.9 |
| 160.0 | 5.205 | 33.532 | 26.488 | 0.3109 | 5.448 | 2.7 | 83.9 |
| 169.0 | 5.232 | 33.543 | 26.494 | 0.3245 | 5.239 | 2.8 | 82.8 |



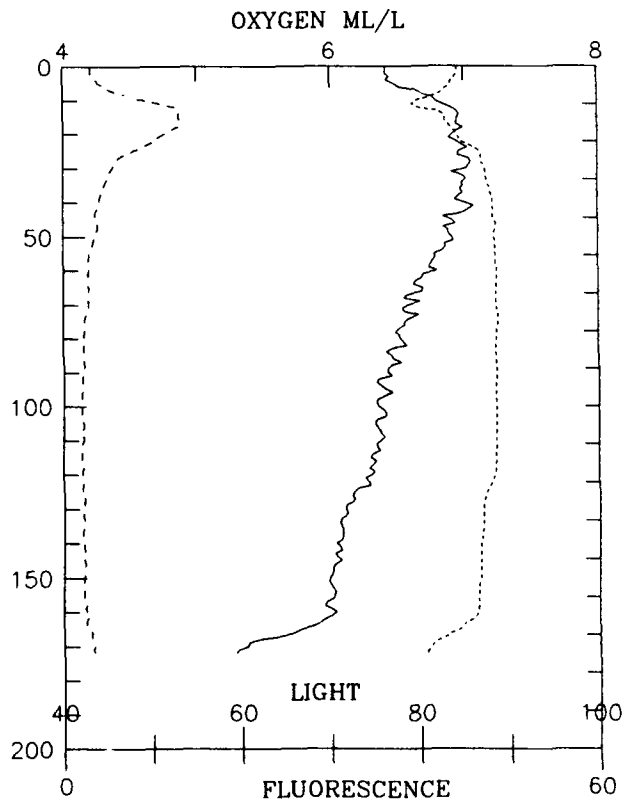
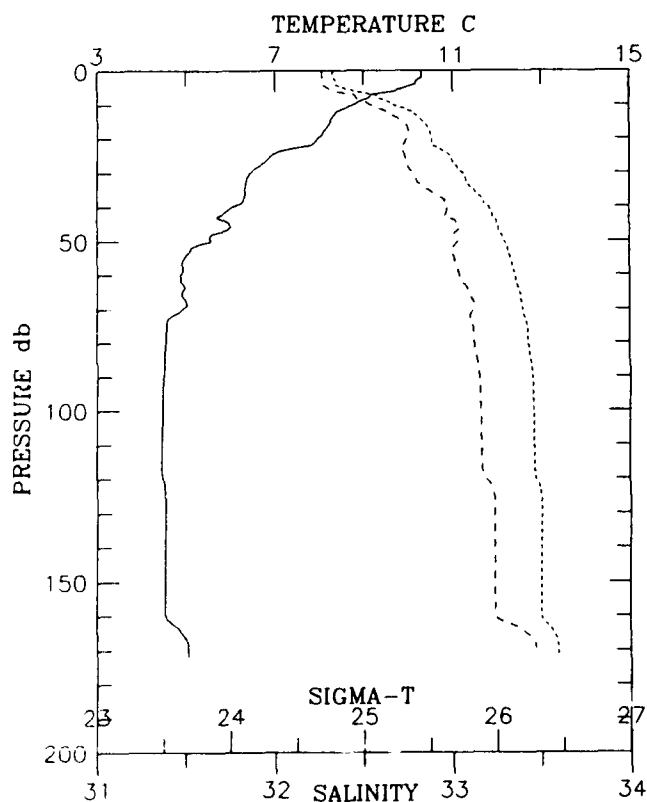
Cruise EN196 Consecutive Station # 44 Depth m:175 Time: 1989-05-23 16:09
 Position: 41° 42.09'N 68° 40.26'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.299 | 32.268 | 24.770 | 0.0000 | 6.419 | 3.1 | 84.3 |
| 10.0 | 8.782 | 32.534 | 25.222 | 0.0299 | 6.794 | 9.4 | 79.7 |
| 20.0 | 7.970 | 32.742 | 25.506 | 0.0551 | 6.913 | 11.3 | 84.1 |
| 30.0 | 6.445 | 32.776 | 25.740 | 0.0784 | 7.016 | 5.5 | 87.3 |
| 40.0 | 6.036 | 32.964 | 25.940 | 0.0997 | 7.006 | 4.0 | 88.2 |
| 50.0 | 5.568 | 33.031 | 26.050 | 0.1194 | 6.909 | 3.5 | 88.3 |
| 60.0 | 4.873 | 33.035 | 26.132 | 0.1381 | 6.794 | 2.8 | 88.6 |
| 70.0 | 4.903 | 33.117 | 26.193 | 0.1562 | 6.574 | 2.8 | 88.6 |
| 80.0 | 4.552 | 33.122 | 26.236 | 0.1738 | 6.520 | 2.4 | 88.6 |
| 90.0 | 4.491 | 33.146 | 26.261 | 0.1911 | 6.423 | 2.2 | 88.5 |
| 100.0 | 4.469 | 33.156 | 26.271 | 0.2082 | 6.355 | 2.0 | 88.5 |
| 110.0 | 4.461 | 33.161 | 26.276 | 0.2253 | 6.368 | 2.2 | 88.5 |
| 120.0 | 4.484 | 33.183 | 26.291 | 0.2423 | 6.308 | 2.1 | 88.3 |
| 130.0 | 4.525 | 33.232 | 26.326 | 0.2590 | 6.104 | 2.2 | 87.0 |
| 140.0 | 4.526 | 33.232 | 26.326 | 0.2756 | 6.037 | 2.2 | 86.7 |
| 150.0 | 4.529 | 33.234 | 26.327 | 0.2922 | 5.985 | 2.2 | 86.7 |
| 160.0 | 4.548 | 33.240 | 26.330 | 0.3089 | 6.035 | 2.6 | 86.4 |
| 170.0 | 5.048 | 33.467 | 26.455 | 0.3247 | 5.369 | 3.4 | 81.1 |
| 172.0 | 5.056 | 33.469 | 26.456 | 0.3278 | 5.282 | 3.4 | 80.6 |



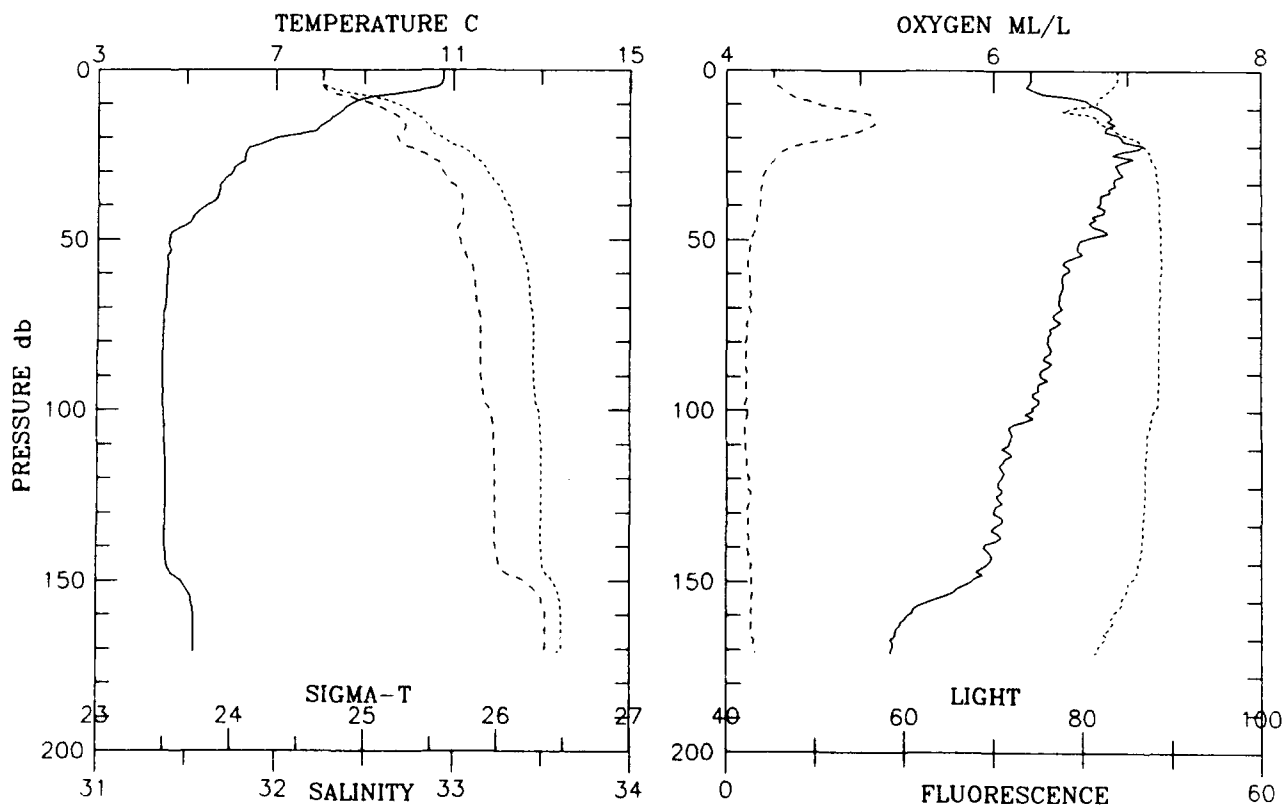
Cruise EN196 Consecutive Station # 46 Depth m:174 Time: 1989-05-23 20:31
 Position: 41° 41.94'N 68° 40.24'W Depth Deck Offset: 0.08 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.778 | 32.267 | 24.687 | 0.0000 | 6.278 | 5.3 | 83.9 |
| 10.0 | 8.674 | 32.546 | 25.247 | 0.0307 | 6.728 | 10.4 | 81.6 |
| 20.0 | 7.060 | 32.686 | 25.588 | 0.0559 | 6.958 | 12.2 | 85.7 |
| 30.0 | 6.044 | 32.943 | 25.922 | 0.0775 | 6.942 | 4.3 | 88.2 |
| 40.0 | 5.444 | 33.056 | 26.083 | 0.0971 | 6.771 | 3.7 | 88.5 |
| 50.0 | 4.616 | 33.040 | 26.164 | 0.1156 | 6.644 | 2.8 | 88.7 |
| 60.0 | 4.569 | 33.116 | 26.229 | 0.1333 | 6.520 | 2.4 | 88.7 |
| 70.0 | 4.514 | 33.142 | 26.255 | 0.1507 | 6.510 | 2.5 | 88.5 |
| 80.0 | 4.475 | 33.155 | 26.270 | 0.1678 | 6.397 | 2.1 | 88.5 |
| 90.0 | 4.469 | 33.159 | 26.274 | 0.1849 | 6.356 | 2.2 | 88.5 |
| 100.0 | 4.495 | 33.212 | 26.313 | 0.2019 | 6.297 | 2.3 | 87.9 |
| 110.0 | 4.519 | 33.232 | 26.326 | 0.2185 | 6.106 | 2.1 | 87.1 |
| 120.0 | 4.526 | 33.234 | 26.327 | 0.2351 | 6.051 | 2.5 | 86.9 |
| 130.0 | 4.535 | 33.236 | 26.328 | 0.2517 | 5.999 | 2.3 | 86.7 |
| 140.0 | 4.537 | 33.241 | 26.332 | 0.2683 | 5.921 | 2.4 | 86.6 |
| 150.0 | 4.912 | 33.407 | 26.422 | 0.2846 | 5.825 | 2.8 | 85.1 |
| 160.0 | 5.183 | 33.523 | 26.484 | 0.3000 | 5.353 | 2.9 | 83.3 |
| 170.0 | 5.182 | 33.522 | 26.483 | 0.3152 | 5.229 | 3.1 | 81.7 |
| 171.0 | 5.180 | 33.481 | 26.451 | 0.3167 | 5.231 | 3.2 | 81.2 |



Cruise EN196 Consecutive Station # 47 Depth m:165 Time: 1989-05-24 00:03
 Position: 41° 43.69'N 68° 48.01'W Depth Deck Offset: -0.38 Fish 1

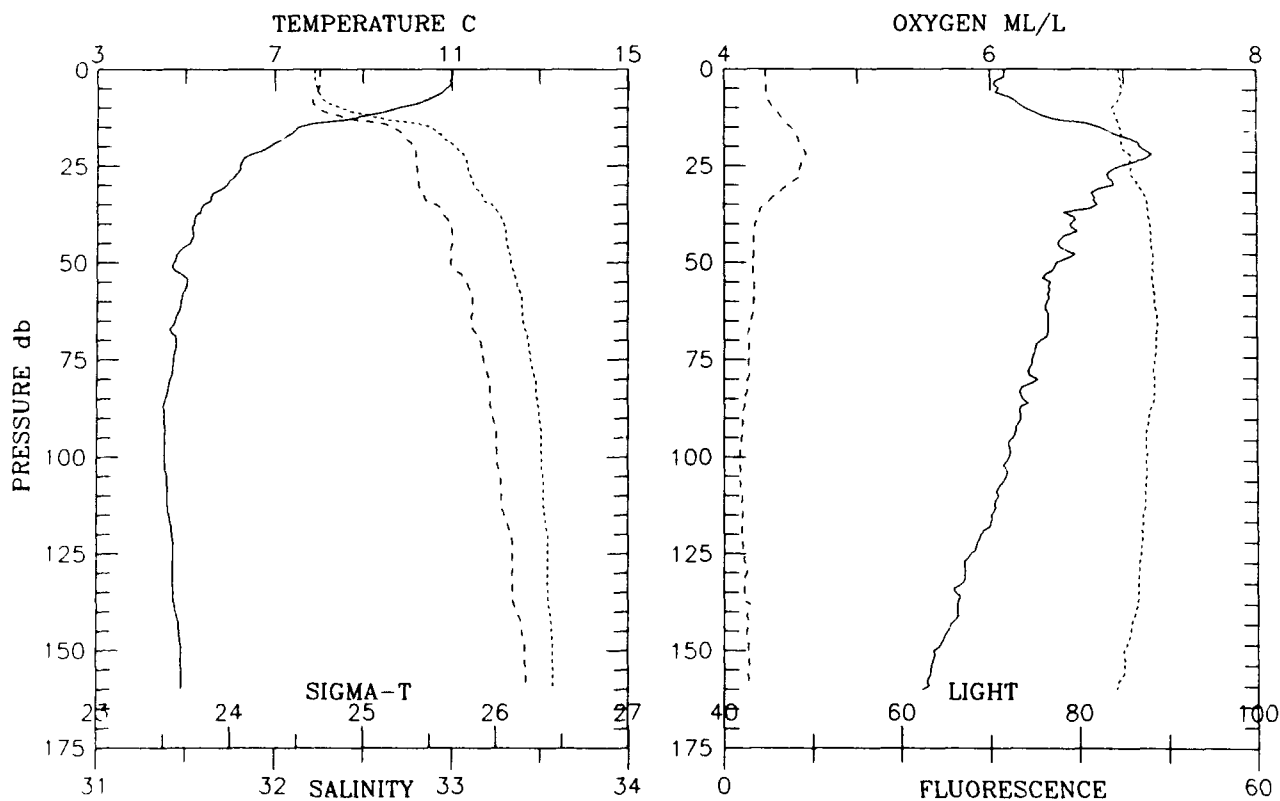
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.023 | 32.256 | 24.636 | 0.0000 | 6.107 | 4.7 | 84.5 |
| 10.0 | 9.791 | 32.242 | 24.834 | 0.0323 | 6.261 | 5.6 | 83.7 |
| 20.0 | 6.891 | 32.793 | 25.695 | 0.0579 | 7.116 | 8.6 | 84.7 |
| 30.0 | 5.918 | 32.813 | 25.835 | 0.0797 | 6.921 | 7.1 | 86.6 |
| 40.0 | 5.184 | 32.988 | 26.060 | 0.0997 | 6.598 | 3.5 | 87.9 |
| 50.0 | 4.734 | 32.994 | 26.115 | 0.1185 | 6.498 | 3.2 | 88.3 |
| 60.0 | 4.894 | 33.119 | 26.196 | 0.1366 | 6.424 | 3.3 | 88.4 |
| 70.0 | 4.787 | 33.163 | 26.243 | 0.1543 | 6.373 | 2.7 | 88.6 |
| 80.0 | 4.647 | 33.217 | 26.301 | 0.1714 | 6.356 | 2.6 | 88.4 |
| 90.0 | 4.516 | 33.234 | 26.328 | 0.1881 | 6.226 | 2.0 | 87.8 |
| 100.0 | 4.537 | 33.259 | 26.346 | 0.2045 | 6.142 | 1.8 | 87.5 |
| 110.0 | 4.588 | 33.280 | 26.357 | 0.2209 | 6.060 | 2.0 | 87.3 |
| 120.0 | 4.702 | 33.335 | 26.389 | 0.2371 | 5.925 | 2.0 | 87.0 |
| 130.0 | 4.724 | 33.344 | 26.393 | 0.2531 | 5.809 | 2.5 | 86.6 |
| 140.0 | 4.780 | 33.367 | 26.406 | 0.2690 | 5.749 | 2.6 | 86.2 |
| 150.0 | 4.908 | 33.418 | 26.431 | 0.2848 | 5.573 | 2.7 | 84.9 |
| 160.0 | 4.910 | 33.417 | 26.430 | 0.3004 | 5.485 | 2.9 | 84.1 |



Cruise EN196 Consecutive Station # 48 Depth m:175 Time: 1989-05-24 03:02
 Position: 41° 42.07'N 68° 40.40'W Depth Deck Offset: -0.38 Fish 1

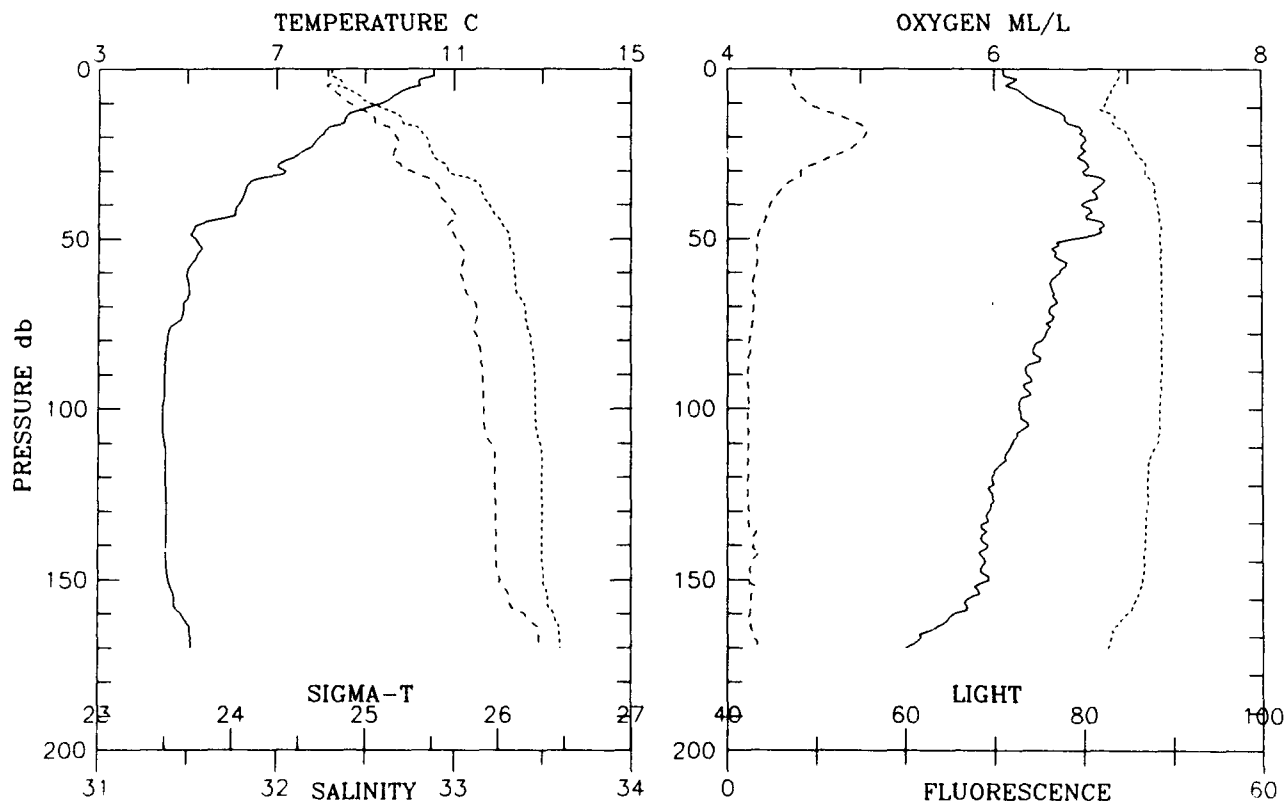
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 10.539 | 32.290 | 24.746 | 0.0000 | 6.070 | 7.2 |
| 10.0 | | 9.341 | 32.404 | 25.033 | 0.0306 | 6.312 | 9.0 |
| 20.0 | | 7.959 | 32.675 | 25.455 | 0.0571 | 6.681 | 15.4 |
| 30.0 | | 7.199 | 32.749 | 25.619 | 0.0813 | 6.659 | 8.2 |
| 40.0 | | 6.147 | 32.967 | 25.929 | 0.1026 | 6.651 | 4.8 |
| 50.0 | | 5.186 | 33.012 | 26.079 | 0.1221 | 6.567 | 3.3 |
| 60.0 | | 4.991 | 33.037 | 26.120 | 0.1408 | 6.488 | 3.1 |
| 70.0 | | 4.910 | 33.125 | 26.199 | 0.1590 | 6.420 | 2.9 |
| 80.0 | | 4.552 | 33.135 | 26.246 | 0.1767 | 6.357 | 2.5 |
| 90.0 | | 4.485 | 33.158 | 26.271 | 0.1938 | 6.240 | 2.2 |
| 100.0 | | 4.461 | 33.168 | 26.281 | 0.2109 | 6.181 | 2.3 |
| 110.0 | | 4.486 | 33.210 | 26.312 | 0.2278 | 6.125 | 2.3 |
| 120.0 | | 4.520 | 33.232 | 26.326 | 0.2444 | 5.977 | 2.3 |
| 130.0 | | 4.525 | 33.234 | 26.327 | 0.2610 | 5.950 | 2.4 |
| 140.0 | | 4.532 | 33.237 | 26.329 | 0.2776 | 5.948 | 2.9 |
| 150.0 | | 4.571 | 33.258 | 26.341 | 0.2942 | 5.952 | 2.5 |
| 160.0 | | 4.874 | 33.397 | 26.418 | 0.3104 | 5.687 | 2.5 |
| 170.0 | | 5.088 | 33.483 | 26.463 | 0.3259 | 5.328 | 3.1 |



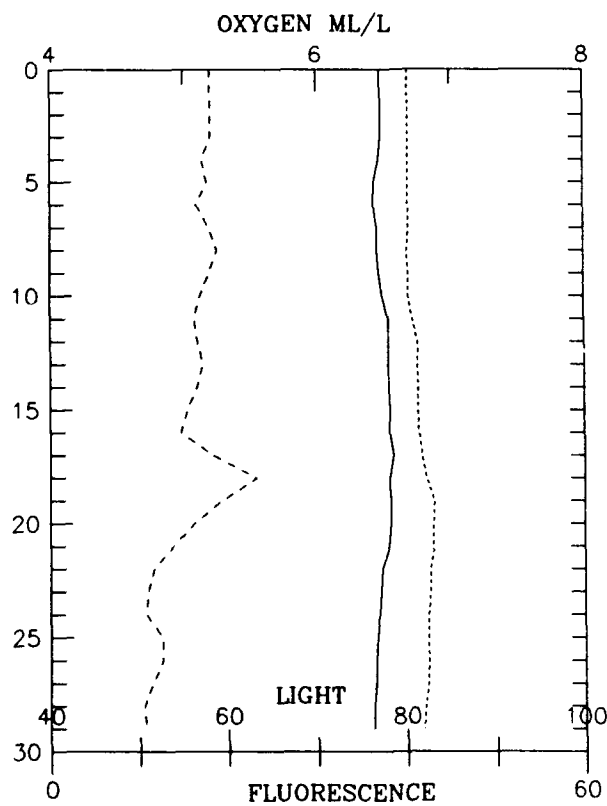
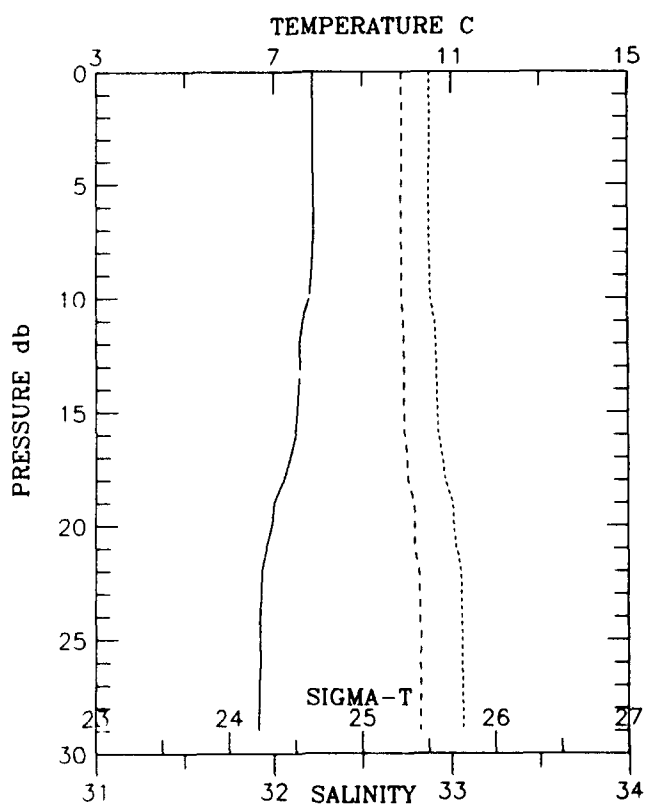
Cruise EN196 Consecutive Station # 49 Depth m:176 Time: 1989-05-24 05:33
 Position: 41° 40.05'N 68° 33.03'W Depth Deck Offset: -0.38 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.347 | 32.749 | 25.301 | 0.0000 | 6.154 | 7.3 |
| 10.0 | | 8.299 | 32.772 | 25.481 | 0.0259 | 6.375 | 7.6 |
| 20.0 | | 8.000 | 32.797 | 25.544 | 0.0502 | 6.518 | 7.3 |
| 30.0 | | 6.502 | 32.860 | 25.799 | 0.0728 | 6.731 | 5.7 |
| 40.0 | | 5.529 | 32.946 | 25.987 | 0.0934 | 6.571 | 4.2 |
| 50.0 | | 5.392 | 32.968 | 26.020 | 0.1130 | 6.403 | 4.1 |
| 60.0 | | 5.330 | 32.985 | 26.040 | 0.1324 | 6.373 | 4.5 |
| 70.0 | | 5.157 | 33.011 | 26.081 | 0.1515 | 6.304 | 4.4 |
| 80.0 | | 5.016 | 33.029 | 26.111 | 0.1703 | 6.242 | 4.0 |
| 90.0 | | 4.954 | 33.044 | 26.130 | 0.1889 | 6.185 | 3.9 |
| 100.0 | | 4.849 | 33.067 | 26.160 | 0.2072 | 6.186 | 3.9 |
| 110.0 | | 4.752 | 33.086 | 26.186 | 0.2252 | 6.111 | 3.8 |
| 120.0 | | 4.700 | 33.099 | 26.202 | 0.2431 | 6.133 | 3.4 |
| 130.0 | | 4.698 | 33.102 | 26.204 | 0.2608 | 6.037 | 3.8 |
| 140.0 | | 4.694 | 33.109 | 26.210 | 0.2786 | 6.000 | 3.5 |
| 150.0 | | 4.598 | 33.139 | 26.244 | 0.2962 | 6.003 | 3.8 |
| 160.0 | | 4.584 | 33.147 | 26.252 | 0.3136 | 5.943 | 3.7 |
| 164.0 | | 4.584 | 33.147 | 26.252 | 0.3205 | 5.988 | 3.3 |



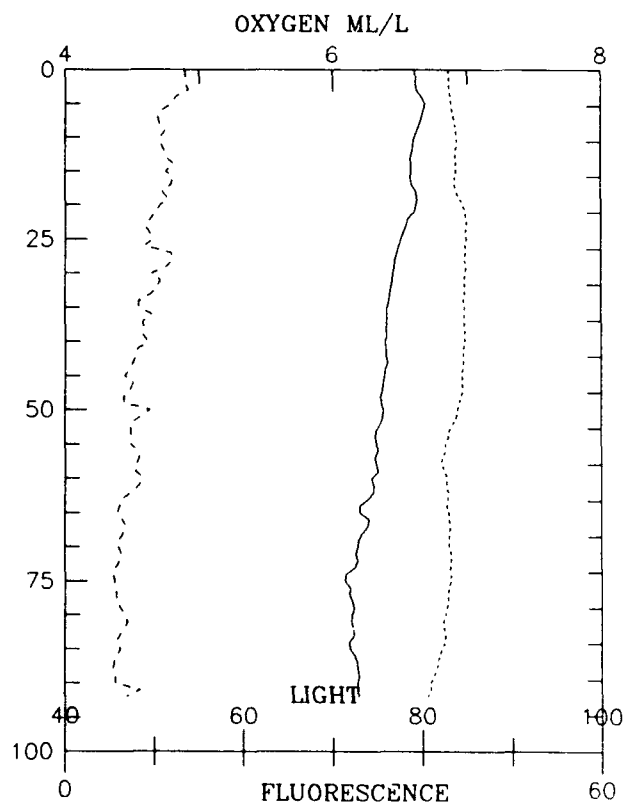
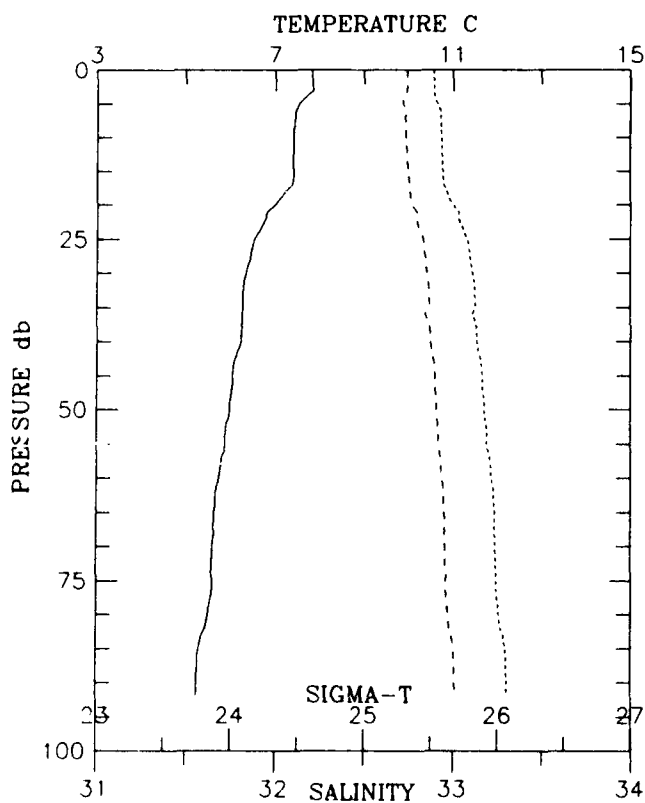
Cruise EN196 Consecutive Station # 50 Depth m:33 Time: 1989-05-24 08:44
 Position: 41° 38.95'N 68° 24.89'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%light) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 7.875 | 32.722 | 25.503 | 0.0000 | 6.479 | 18.1 |
| 2.0 | E | 7.875 | 32.721 | 25.502 | 0.0049 | 6.481 | 18.1 |
| 4.0 | | 7.882 | 32.720 | 25.501 | 0.0097 | 6.466 | 17.1 |
| 6.0 | | 7.895 | 32.719 | 25.498 | 0.0146 | 6.427 | 16.5 |
| 8.0 | | 7.875 | 32.720 | 25.502 | 0.0195 | 6.454 | 18.8 |
| 10.0 | | 7.810 | 32.722 | 25.513 | 0.0244 | 6.492 | 16.9 |
| 12.0 | | 7.589 | 32.732 | 25.552 | 0.0292 | 6.537 | 16.6 |
| 14.0 | | 7.556 | 32.732 | 25.557 | 0.0340 | 6.533 | 16.5 |
| 16.0 | | 7.478 | 32.737 | 25.571 | 0.0387 | 6.541 | 14.7 |
| 18.0 | | 7.223 | 32.754 | 25.620 | 0.0434 | 6.541 | 23.2 |
| 20.0 | | 6.957 | 32.794 | 25.687 | 0.0480 | 6.549 | 16.2 |
| 22.0 | | 6.730 | 32.818 | 25.737 | 0.0525 | 6.482 | 11.6 |
| 24.0 | | 6.691 | 32.824 | 25.746 | 0.0569 | 6.462 | 10.8 |
| 26.0 | | 6.692 | 32.824 | 25.746 | 0.0613 | 6.431 | 12.6 |
| 28.0 | | 6.666 | 32.828 | 25.753 | 0.0657 | 6.420 | 10.5 |
| 29.0 | | 6.666 | 32.828 | 25.753 | 0.0679 | 6.420 | 10.7 |



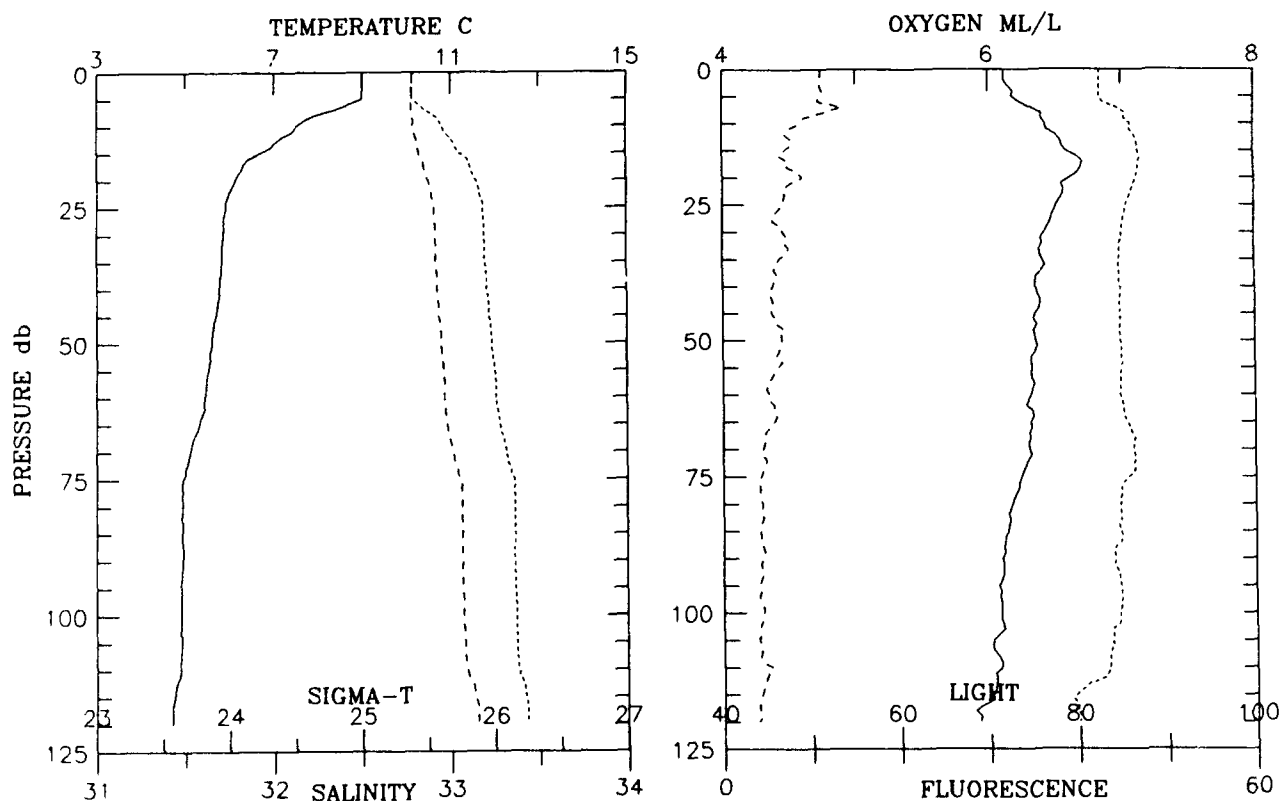
Cruise EN196 Consecutive Station # 51 Depth m:93 Time: 1989-05-24 09:21
 Position: 41° 39.27'N 68° 26.49'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 7.839 | 32.742 | 25.524 | 0.0000 | 6.614 | 13.5 |
| 5.0 | | 7.532 | 32.718 | 25.549 | 0.0121 | 6.683 | 11.9 |
| 10.0 | | 7.406 | 32.734 | 25.579 | 0.0239 | 6.609 | 10.7 |
| 15.0 | | 7.409 | 32.747 | 25.589 | 0.0357 | 6.585 | 11.3 |
| 20.0 | | 6.989 | 32.767 | 25.662 | 0.0474 | 6.617 | 10.7 |
| 25.0 | | 6.531 | 32.832 | 25.773 | 0.0586 | 6.506 | 9.8 |
| 30.0 | | 6.354 | 32.853 | 25.812 | 0.0694 | 6.448 | 9.7 |
| 35.0 | | 6.271 | 32.866 | 25.833 | 0.0800 | 6.405 | 8.3 |
| 40.0 | | 6.235 | 32.871 | 25.842 | 0.0906 | 6.389 | 9.3 |
| 45.0 | | 6.046 | 32.898 | 25.886 | 0.1011 | 6.386 | 6.7 |
| 50.0 | | 5.984 | 32.906 | 25.900 | 0.1115 | 6.377 | 9.5 |
| 55.0 | | 5.880 | 32.918 | 25.922 | 0.1217 | 6.327 | 7.4 |
| 60.0 | | 5.744 | 32.936 | 25.953 | 0.1318 | 6.286 | 8.7 |
| 65.0 | | 5.639 | 32.951 | 25.978 | 0.1418 | 6.201 | 5.8 |
| 70.0 | | 5.611 | 32.956 | 25.985 | 0.1517 | 6.188 | 6.0 |
| 75.0 | | 5.586 | 32.959 | 25.990 | 0.1616 | 6.089 | 5.5 |
| 80.0 | | 5.502 | 32.972 | 26.010 | 0.1715 | 6.143 | 6.7 |
| 85.0 | | 5.298 | 33.003 | 26.059 | 0.1812 | 6.127 | 6.2 |
| 90.0 | | 5.253 | 33.010 | 26.069 | 0.1907 | 6.186 | 5.6 |
| 92.0 | | 5.251 | 33.011 | 26.071 | 0.1945 | 6.189 | 6.9 |



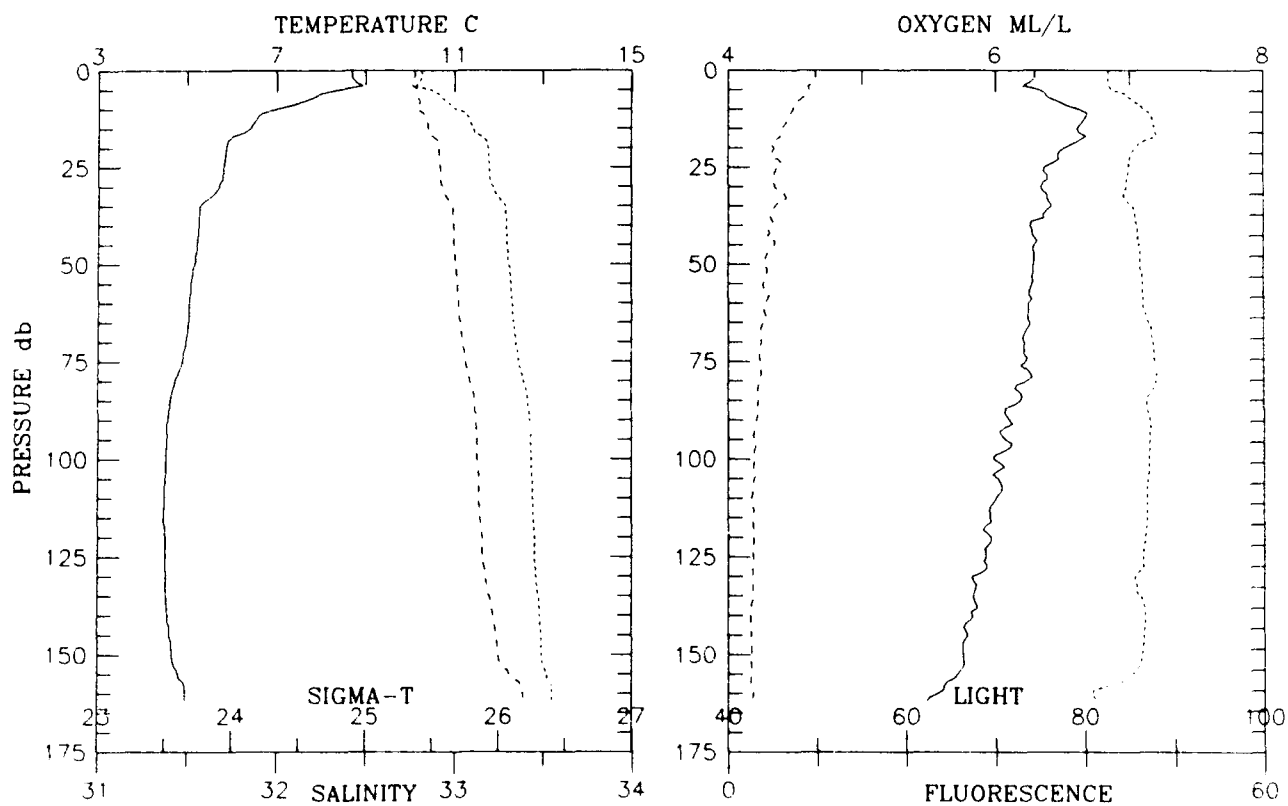
Cruise EN196 Consecutive Station # 52 Depth m:135 Time: 1989-05-24 10:04
 Position: 41° 38.92'N 68° 27.95'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%light) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.008 | 32.782 | 25.381 | 0.0000 | 6.122 | 11.1 | 82.6 |
| 10.0 | 7.529 | 32.787 | 25.604 | 0.0250 | 6.430 | 8.7 | 86.1 |
| 20.0 | 6.123 | 32.873 | 25.857 | 0.0470 | 6.618 | 9.0 | 86.6 |
| 30.0 | 5.866 | 32.912 | 25.920 | 0.0676 | 6.423 | 6.8 | 85.0 |
| 40.0 | 5.768 | 32.927 | 25.943 | 0.0879 | 6.349 | 5.6 | 84.8 |
| 50.0 | 5.612 | 32.948 | 25.978 | 0.1079 | 6.350 | 6.7 | 84.8 |
| 60.0 | 5.451 | 32.965 | 26.010 | 0.1276 | 6.319 | 5.3 | 84.8 |
| 70.0 | 5.111 | 33.013 | 26.088 | 0.1469 | 6.302 | 4.5 | 86.2 |
| 80.0 | 4.931 | 33.062 | 26.147 | 0.1653 | 6.172 | 4.4 | 84.7 |
| 90.0 | 4.943 | 33.065 | 26.148 | 0.1836 | 6.095 | 4.4 | 84.1 |
| 100.0 | 4.906 | 33.069 | 26.156 | 0.2019 | 6.083 | 4.5 | 84.6 |
| 110.0 | 4.875 | 33.089 | 26.175 | 0.2200 | 6.083 | 5.4 | 83.3 |
| 120.0 | 4.700 | 33.151 | 26.243 | 0.2376 | 5.920 | 3.8 | 79.9 |



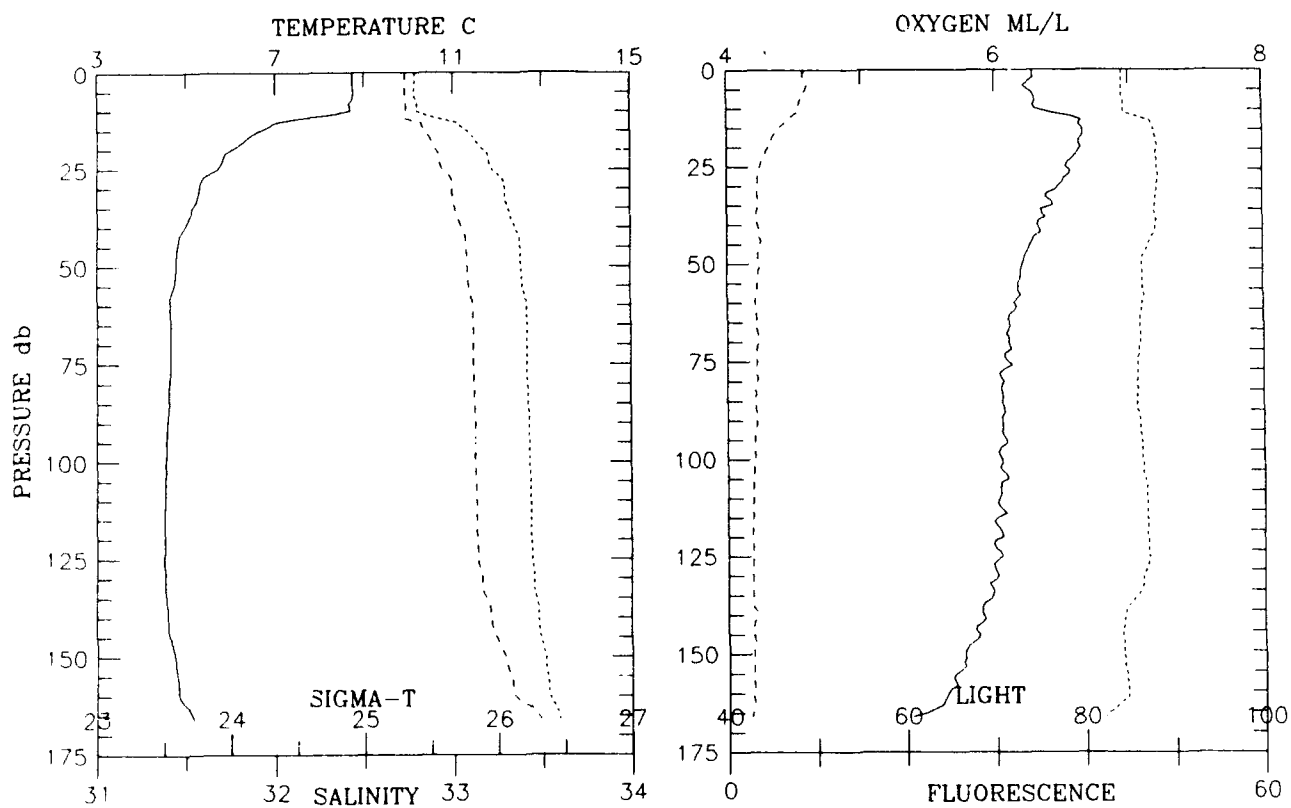
Cruise EN196 Consecutive Station # 53 Depth m:168 Time: 1989-05-24 10:52
 Position: 41° 39.46'N 68° 29.85'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 8.690 | 32.775 | 25.424 | 0.0000 | 6.293 | 9.8 |
| 10.0 | | 6.995 | 32.785 | 25.675 | 0.0244 | 6.618 | 7.3 |
| 20.0 | | 5.864 | 32.913 | 25.921 | 0.0457 | 6.516 | 5.1 |
| 30.0 | | 5.713 | 32.932 | 25.954 | 0.0660 | 6.335 | 5.1 |
| 40.0 | | 5.251 | 32.994 | 26.057 | 0.0854 | 6.260 | 4.6 |
| 50.0 | | 5.171 | 33.003 | 26.073 | 0.1044 | 6.284 | 4.1 |
| 60.0 | | 5.047 | 33.024 | 26.103 | 0.1232 | 6.244 | 4.1 |
| 70.0 | | 4.972 | 33.047 | 26.131 | 0.1418 | 6.215 | 3.7 |
| 80.0 | | 4.732 | 33.089 | 26.190 | 0.1599 | 6.235 | 3.5 |
| 90.0 | | 4.570 | 33.121 | 26.233 | 0.1776 | 6.099 | 3.1 |
| 100.0 | | 4.523 | 33.131 | 26.246 | 0.1949 | 5.983 | 2.9 |
| 110.0 | | 4.498 | 33.141 | 26.257 | 0.2122 | 6.002 | 2.6 |
| 120.0 | | 4.509 | 33.157 | 26.268 | 0.2294 | 5.962 | 2.8 |
| 130.0 | | 4.526 | 33.177 | 26.282 | 0.2465 | 5.821 | 2.7 |
| 140.0 | | 4.572 | 33.220 | 26.311 | 0.2634 | 5.824 | 2.5 |
| 150.0 | | 4.663 | 33.249 | 26.324 | 0.2801 | 5.754 | 2.6 |
| 160.0 | | 4.965 | 33.388 | 26.402 | 0.2964 | 5.565 | 2.8 |
| 162.0 | | 4.967 | 33.388 | 26.401 | 0.2996 | 5.483 | 2.8 |



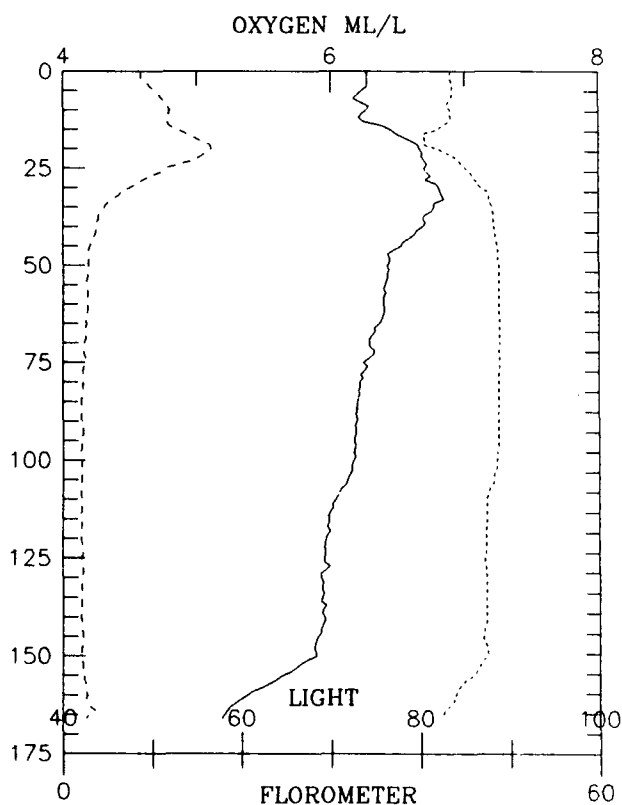
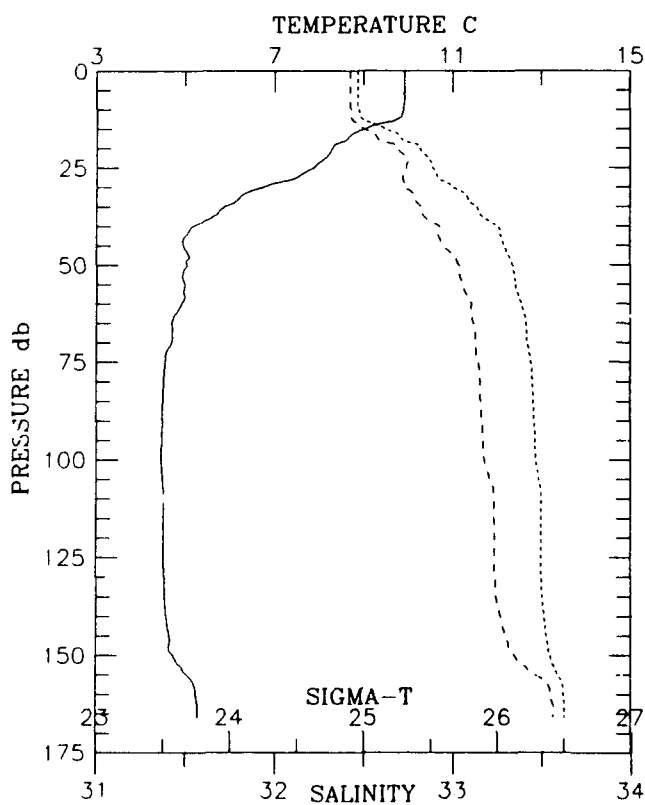
Cruise FN196 Consecutive Station # 54 Depth m:176 Time: 1989-05-24 12:12
 Position: 41° 40.01'N 68° 33.04'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE | Interp | TEMP | SALINITY | SIGMA-T | DELTA-D | OXYGEN | CHANNELA | CHANNELB |
|----------|--------|---------|----------|---------|---------|--------|----------|----------|
| (d-bars) | | (deg C) | (0/00) | | | (ml/l) | (%fluor) | (%light) |
| 0.0 | E | 8.747 | 32.732 | 25.382 | 0.0000 | 6.289 | 8.6 | 84.3 |
| 10.0 | | 8.684 | 32.737 | 25.396 | 0.0255 | 6.301 | 8.2 | 84.4 |
| 20.0 | | 6.013 | 32.901 | 25.892 | 0.0478 | 6.643 | 4.6 | 88.1 |
| 30.0 | | 5.298 | 32.997 | 26.054 | 0.0676 | 6.479 | 3.4 | 88.1 |
| 40.0 | | 4.972 | 33.048 | 26.131 | 0.0865 | 6.314 | 3.4 | 87.9 |
| 50.0 | | 4.778 | 33.080 | 26.178 | 0.1045 | 6.205 | 3.6 | 86.4 |
| 60.0 | | 4.639 | 33.108 | 26.215 | 0.1223 | 6.144 | 3.1 | 86.4 |
| 70.0 | | 4.643 | 33.109 | 26.215 | 0.1399 | 6.105 | 3.4 | 86.2 |
| 80.0 | | 4.626 | 33.117 | 26.223 | 0.1575 | 6.062 | 3.3 | 85.8 |
| 90.0 | | 4.581 | 33.120 | 26.231 | 0.1750 | 6.051 | 3.2 | 86.2 |
| 100.0 | | 4.551 | 33.122 | 26.236 | 0.1925 | 6.051 | 2.9 | 86.4 |
| 110.0 | | 4.522 | 33.128 | 26.244 | 0.2099 | 6.027 | 2.8 | 86.9 |
| 120.0 | | 4.512 | 33.132 | 26.248 | 0.2272 | 6.056 | 2.7 | 87.0 |
| 130.0 | | 4.530 | 33.158 | 26.267 | 0.2445 | 6.016 | 2.7 | 86.4 |
| 140.0 | | 4.591 | 33.208 | 26.300 | 0.2615 | 5.900 | 3.1 | 84.4 |
| 150.0 | | 4.737 | 33.285 | 26.345 | 0.2782 | 5.758 | 2.7 | 84.1 |
| 160.0 | | 4.832 | 33.340 | 26.378 | 0.2945 | 5.633 | 2.6 | 84.6 |
| 166.0 | | 5.151 | 33.485 | 26.457 | 0.3040 | 5.364 | 2.5 | 82.0 |



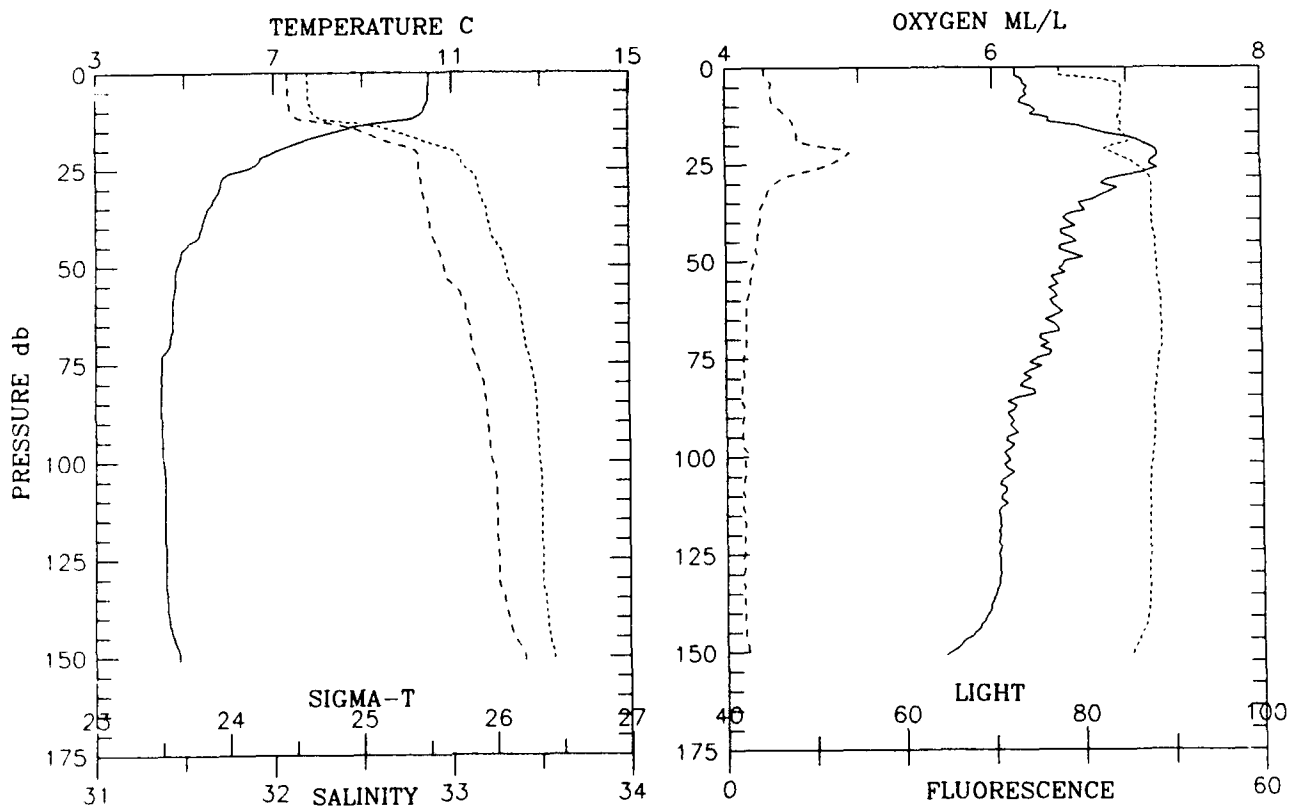
Cruise EN196 Consecutive Station # 55 Depth m:175 Time: 1989-05-24 14:37
 Position: 41° 42.00'N 68° 40.07'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%floro) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.908 | 32.425 | 24.958 | 0.0000 | 6.270 | 8.8 | 83.4 |
| 10.0 | 9.886 | 32.426 | 24.962 | 0.0296 | 6.262 | 11.9 | 83.3 |
| 20.0 | 8.285 | 32.685 | 25.415 | 0.0573 | 6.662 | 16.6 | 82.0 |
| 30.0 | 6.721 | 32.725 | 25.664 | 0.0815 | 6.805 | 7.5 | 86.8 |
| 40.0 | 5.161 | 32.927 | 26.014 | 0.1027 | 6.685 | 3.8 | 88.3 |
| 50.0 | 5.035 | 33.034 | 26.113 | 0.1218 | 6.421 | 2.8 | 88.8 |
| 60.0 | 4.916 | 33.102 | 26.180 | 0.1401 | 6.392 | 2.7 | 88.8 |
| 70.0 | 4.689 | 33.126 | 26.224 | 0.1578 | 6.288 | 2.4 | 88.9 |
| 80.0 | 4.517 | 33.153 | 26.264 | 0.1750 | 6.217 | 2.2 | 88.8 |
| 90.0 | 4.480 | 33.163 | 26.276 | 0.1921 | 6.190 | 2.1 | 88.7 |
| 100.0 | 4.462 | 33.176 | 26.288 | 0.2091 | 6.166 | 2.1 | 88.5 |
| 110.0 | 4.512 | 33.231 | 26.326 | 0.2259 | 6.035 | 2.1 | 87.4 |
| 120.0 | 4.519 | 33.235 | 26.329 | 0.2424 | 5.964 | 2.0 | 87.3 |
| 130.0 | 4.523 | 33.236 | 26.329 | 0.2590 | 5.925 | 2.2 | 87.3 |
| 140.0 | 4.576 | 33.268 | 26.349 | 0.2755 | 5.950 | 2.0 | 87.3 |
| 150.0 | 4.727 | 33.346 | 26.394 | 0.2918 | 5.888 | 2.1 | 87.4 |
| 160.0 | 5.245 | 33.547 | 26.495 | 0.3073 | 5.374 | 2.7 | 83.9 |
| 166.0 | 5.287 | 33.563 | 26.503 | 0.3163 | 5.184 | 2.6 | 82.7 |



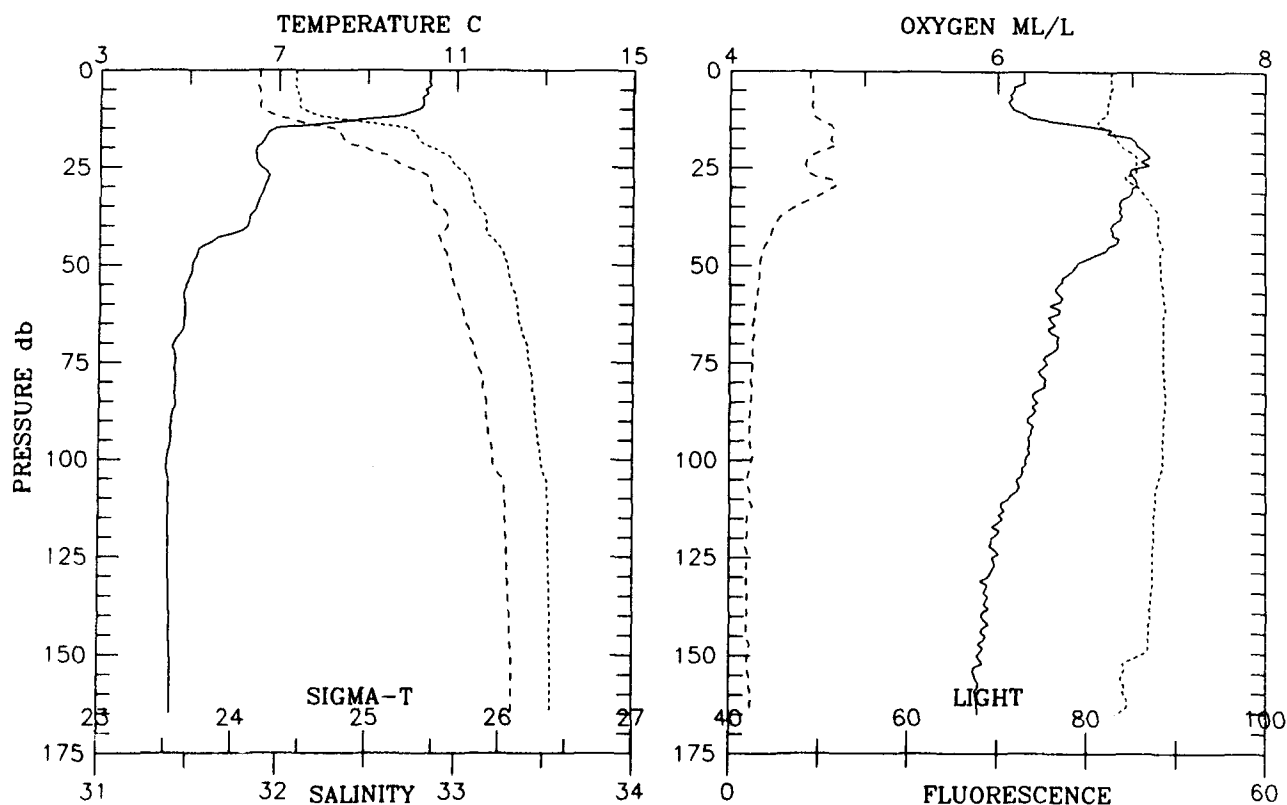
Cruise FN196 Consecutive Station # 56 Depth m:165 Time: 1989-05-24 17:41
 Position: 41° 43.77'N 68° 48.20'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.498 | 32.079 | 24.589 | 0.0000 | 6.172 | 4.4 |
| 10.0 | | 10.382 | 32.091 | 24.618 | 0.0331 | 6.293 | 5.7 |
| 20.0 | | 7.125 | 32.802 | 25.671 | 0.0607 | 7.150 | 10.1 |
| 30.0 | | 5.786 | 32.834 | 25.867 | 0.0823 | 6.807 | 5.5 |
| 40.0 | | 5.381 | 32.879 | 25.951 | 0.1028 | 6.566 | 3.8 |
| 50.0 | | 4.828 | 32.955 | 26.073 | 0.1223 | 6.531 | 3.1 |
| 60.0 | | 4.736 | 33.076 | 26.179 | 0.1408 | 6.423 | 2.4 |
| 70.0 | | 4.660 | 33.115 | 26.219 | 0.1586 | 6.350 | 2.3 |
| 80.0 | | 4.478 | 33.180 | 26.289 | 0.1758 | 6.279 | 2.0 |
| 90.0 | | 4.179 | 33.202 | 26.307 | 0.1926 | 6.123 | 1.9 |
| 100.0 | | 4.514 | 33.224 | 26.321 | 0.2093 | 6.092 | 2.2 |
| 110.0 | | 4.562 | 33.250 | 26.336 | 0.2258 | 6.048 | 2.0 |
| 120.0 | | 4.566 | 33.255 | 26.340 | 0.2423 | 6.041 | 1.9 |
| 130.0 | | 4.572 | 33.259 | 26.342 | 0.2587 | 6.039 | 1.8 |
| 140.0 | | 4.647 | 33.317 | 26.380 | 0.2750 | 5.952 | 2.0 |
| 150.0 | | 4.882 | 33.407 | 26.426 | 0.2909 | 5.665 | 2.4 |
| 151.0 | | 4.881 | 33.406 | 26.425 | 0.2925 | 5.628 | 2.4 |



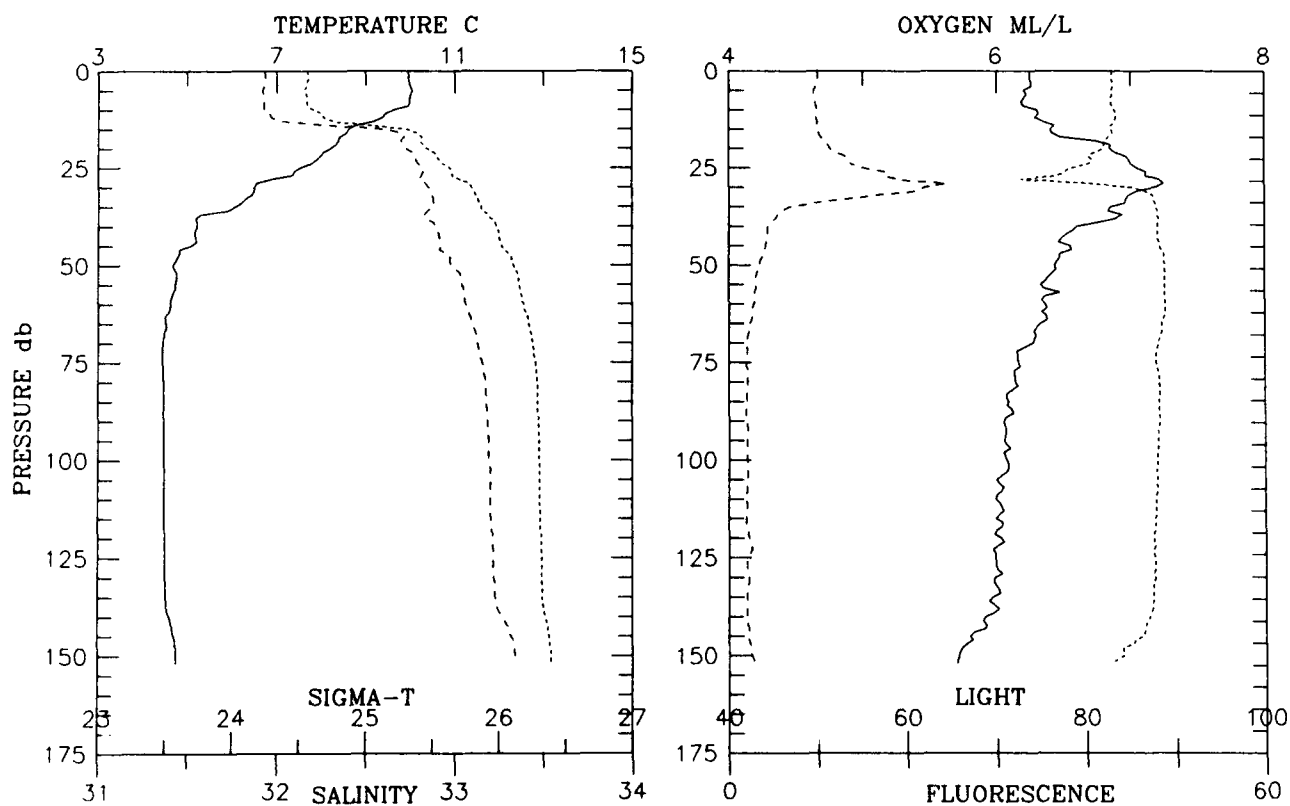
Cruise EN196 Consecutive Station # 57 Depth m:172 Time: 1989-05-24 22:15
 Position: 41° 43.00'N 68° 54.75'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.389 | 31.892 | 24.462 | 0.0000 | 6.193 | 8.9 |
| 10.0 | | 10.195 | 31.901 | 24.501 | 0.0342 | 6.130 | 9.3 |
| 20.0 | | 6.512 | 32.483 | 25.500 | 0.0624 | 7.083 | 11.1 |
| 30.0 | | 6.678 | 32.857 | 25.774 | 0.0852 | 6.999 | 11.5 |
| 40.0 | | 6.317 | 32.954 | 25.897 | 0.1064 | 6.846 | 4.9 |
| 50.0 | | 5.080 | 32.970 | 26.057 | 0.1263 | 6.585 | 3.4 |
| 60.0 | | 4.908 | 33.030 | 26.124 | 0.1451 | 6.388 | 2.8 |
| 70.0 | | 4.681 | 33.099 | 26.204 | 0.1632 | 6.452 | 2.7 |
| 80.0 | | 4.717 | 33.157 | 26.246 | 0.1808 | 6.353 | 2.4 |
| 90.0 | | 4.626 | 33.180 | 26.274 | 0.1980 | 6.228 | 2.3 |
| 100.0 | | 4.530 | 33.213 | 26.310 | 0.2149 | 6.208 | 2.5 |
| 110.0 | | 4.568 | 33.280 | 26.359 | 0.2313 | 6.084 | 2.3 |
| 120.0 | | 4.570 | 33.289 | 26.366 | 0.2476 | 5.958 | 1.9 |
| 130.0 | | 4.580 | 33.297 | 26.371 | 0.2638 | 5.935 | 1.9 |
| 140.0 | | 4.596 | 33.307 | 26.378 | 0.2799 | 5.882 | 1.9 |
| 150.0 | | 4.625 | 33.320 | 26.385 | 0.2960 | 5.853 | 2.1 |
| 160.0 | | 4.627 | 33.320 | 26.385 | 0.3121 | 5.842 | 2.4 |
| 165.0 | | 4.626 | 33.319 | 26.384 | 0.3201 | 5.857 | 2.4 |



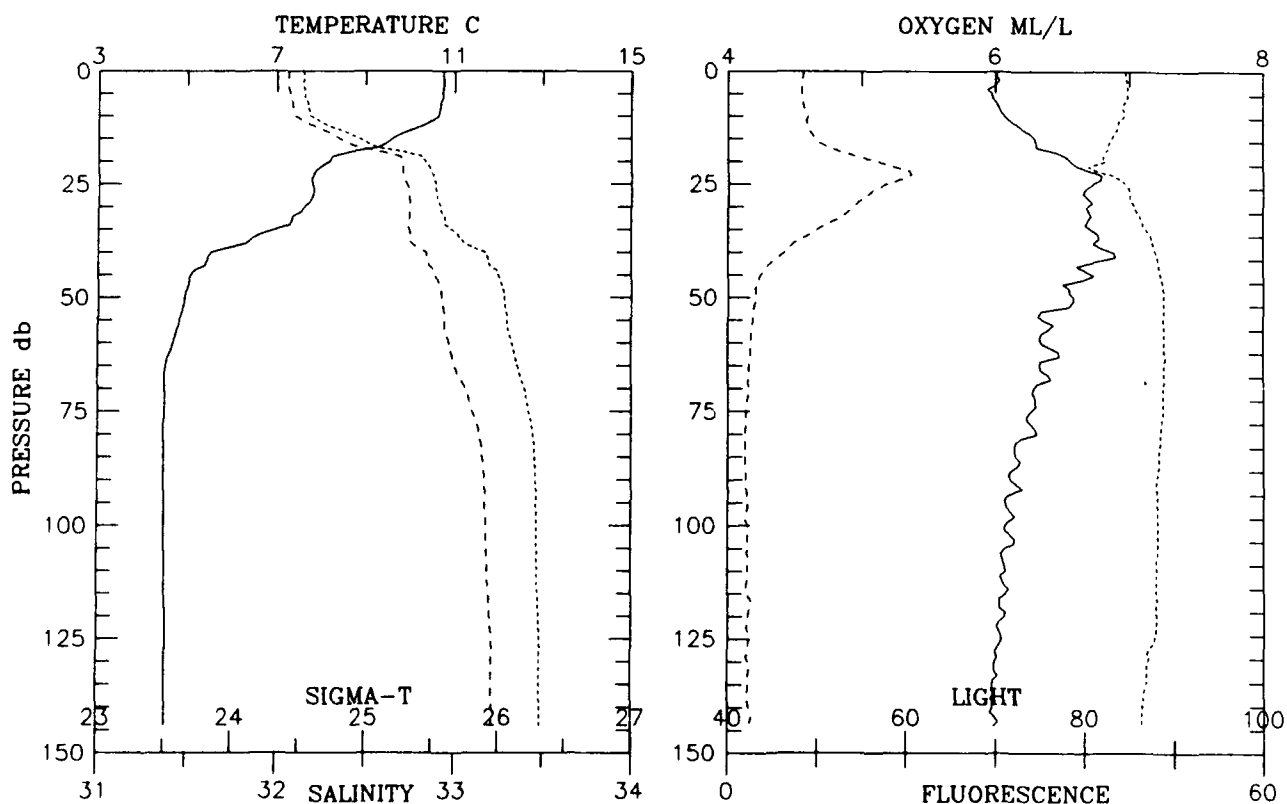
Cruise EN196 Consecutive Station # 58 Depth m:157 Time: 1989-05-24 23:50
 Position: 41° 40.76'N 68° 48.14'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.952 | 31.936 | 24.569 | 0.0000 | 6.247 | 9.9 | 82.9 |
| 10.0 | 9.634 | 31.927 | 24.613 | 0.0334 | 6.300 | 9.9 | 83.2 |
| 20.0 | 8.212 | 32.723 | 25.455 | 0.0614 | 6.847 | 11.4 | 81.9 |
| 30.0 | 6.510 | 32.854 | 25.793 | 0.0847 | 7.182 | 22.0 | 85.2 |
| 40.0 | 5.212 | 32.892 | 25.980 | 0.1055 | 6.597 | 4.3 | 88.0 |
| 50.0 | 4.680 | 32.979 | 26.109 | 0.1248 | 6.431 | 3.5 | 88.8 |
| 60.0 | 4.614 | 33.061 | 26.181 | 0.1430 | 6.362 | 2.7 | 88.8 |
| 70.0 | 4.453 | 33.129 | 26.251 | 0.1605 | 6.272 | 2.0 | 88.0 |
| 80.0 | 4.464 | 33.174 | 26.286 | 0.1776 | 6.135 | 2.1 | 88.1 |
| 90.0 | 4.469 | 33.184 | 26.293 | 0.1945 | 6.050 | 2.0 | 88.1 |
| 100.0 | 4.471 | 33.191 | 26.299 | 0.2114 | 6.072 | 2.0 | 87.9 |
| 110.0 | 4.485 | 33.201 | 26.305 | 0.2281 | 5.991 | 1.9 | 87.8 |
| 120.0 | 4.499 | 33.212 | 26.313 | 0.2449 | 6.024 | 2.2 | 87.5 |
| 130.0 | 4.505 | 33.220 | 26.318 | 0.2616 | 5.983 | 2.2 | 87.6 |
| 140.0 | 4.607 | 33.271 | 26.348 | 0.2782 | 5.908 | 2.0 | 87.0 |
| 150.0 | 4.751 | 33.340 | 26.387 | 0.2944 | 5.709 | 2.5 | 84.1 |
| 152.0 | 4.755 | 33.341 | 26.388 | 0.2976 | 5.695 | 2.7 | 82.7 |



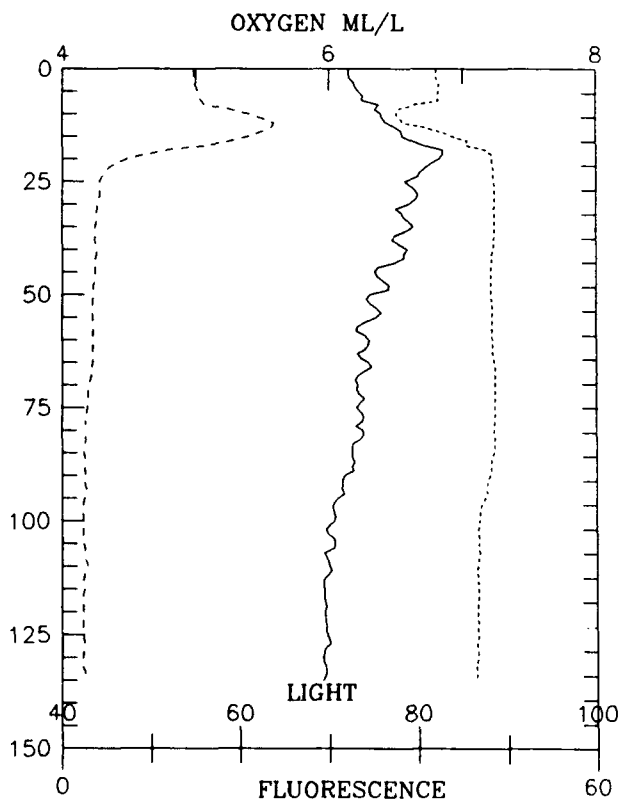
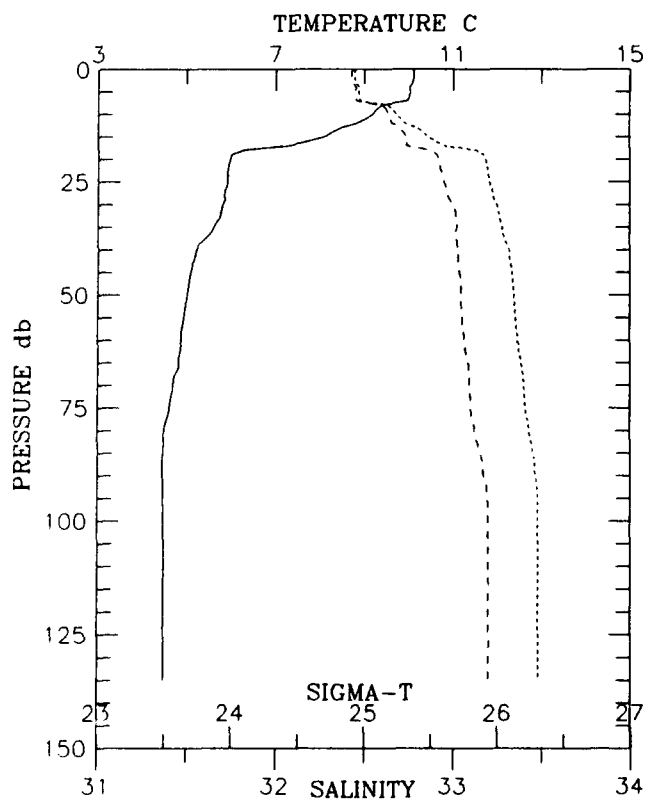
Cruise EN196 Consecutive Station # 59 Depth m:155 Time: 1989-05-25 01:09
 Position: 41° 39.02'N 68° 41.90'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.750 | 32.065 | 24.535 | 0.0000 | 6.010 | 8.4 |
| 10.0 | | 10.636 | 32.101 | 24.582 | 0.0335 | 6.070 | 9.0 |
| 20.0 | | 8.195 | 32.705 | 25.443 | 0.0629 | 6.565 | 16.9 |
| 30.0 | | 7.620 | 32.749 | 25.561 | 0.0872 | 6.682 | 14.1 |
| 40.0 | | 5.539 | 32.843 | 25.904 | 0.1100 | 6.883 | 6.3 |
| 50.0 | | 4.939 | 32.930 | 26.041 | 0.1298 | 6.583 | 3.1 |
| 60.0 | | 4.700 | 32.972 | 26.101 | 0.1488 | 6.341 | 2.5 |
| 70.0 | | 4.493 | 33.062 | 26.194 | 0.1671 | 6.281 | 2.3 |
| 80.0 | | 4.470 | 33.143 | 26.261 | 0.1846 | 6.309 | 1.9 |
| 90.0 | | 4.491 | 33.173 | 26.282 | 0.2016 | 6.112 | 2.0 |
| 100.0 | | 4.502 | 33.182 | 26.288 | 0.2186 | 6.068 | 2.2 |
| 110.0 | | 4.510 | 33.191 | 26.295 | 0.2355 | 6.074 | 2.2 |
| 120.0 | | 4.522 | 33.203 | 26.303 | 0.2523 | 6.065 | 2.2 |
| 130.0 | | 4.526 | 33.217 | 26.314 | 0.2691 | 5.991 | 2.3 |
| 140.0 | | 4.527 | 33.218 | 26.314 | 0.2858 | 5.972 | 2.3 |
| 144.0 | | 4.527 | 33.218 | 26.314 | 0.2925 | 5.984 | 2.4 |



Cruise EN196 Consecutive Station # 60 Depth m:141 Time: 1989-05-25 02:43
 Position: 41° 37.72'N 68° 36.13'W Depth Deck Offset: -0.20 Fish 1

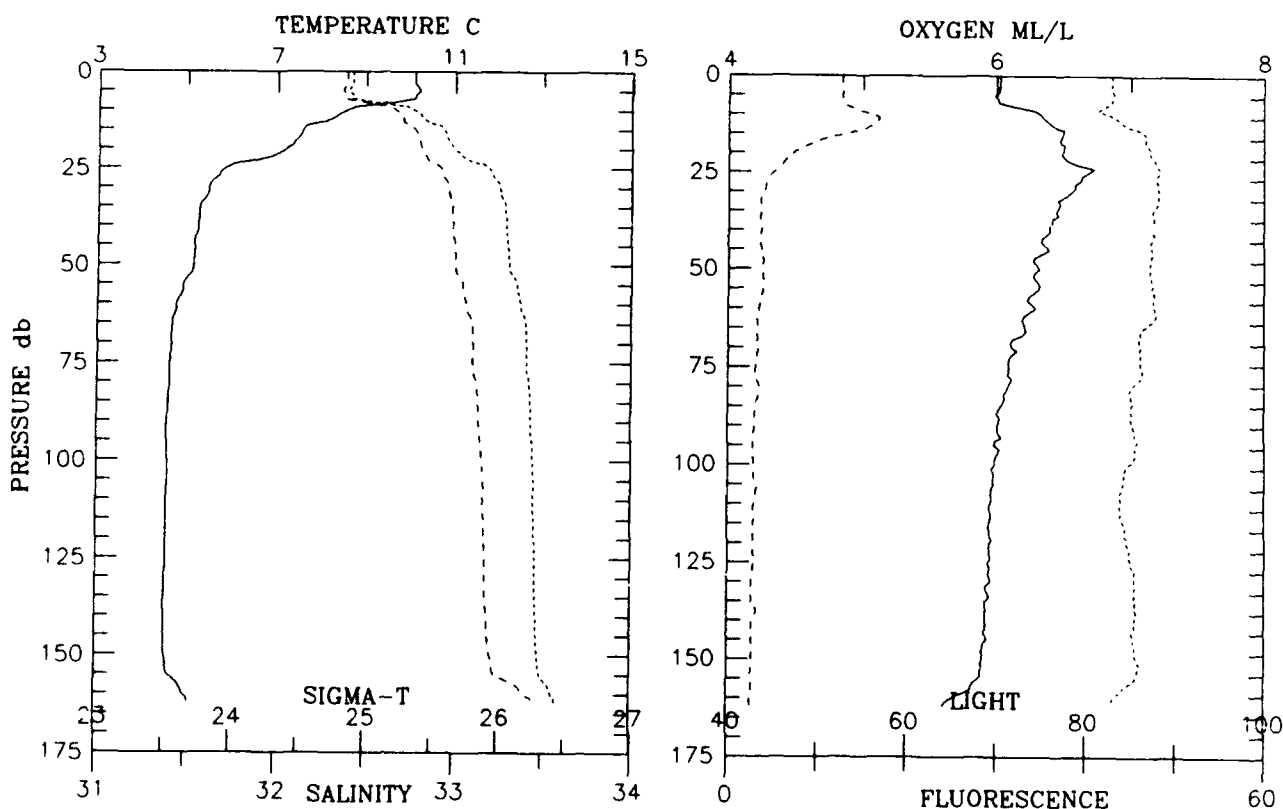
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.105 | 32.429 | 24.928 | 0.0000 | 6.149 | 14.8 | 82.0 |
| 10.0 | 9.182 | 32.635 | 25.238 | 0.0291 | 6.388 | 21.1 | 77.6 |
| 20.0 | 5.966 | 32.916 | 25.911 | 0.0532 | 6.820 | 7.4 | 88.3 |
| 30.0 | 5.806 | 33.001 | 25.997 | 0.0733 | 6.593 | 3.9 | 88.6 |
| 40.0 | 5.208 | 33.025 | 26.087 | 0.0926 | 6.582 | 3.8 | 88.3 |
| 50.0 | 5.014 | 33.045 | 26.124 | 0.1112 | 6.307 | 3.5 | 88.1 |
| 60.0 | 4.878 | 33.064 | 26.154 | 0.1295 | 6.297 | 3.4 | 88.3 |
| 70.0 | 4.698 | 33.093 | 26.197 | 0.1475 | 6.214 | 3.0 | 88.6 |
| 80.0 | 4.505 | 33.122 | 26.240 | 0.1651 | 6.255 | 2.6 | 88.5 |
| 90.0 | 4.461 | 33.173 | 26.285 | 0.1822 | 6.115 | 2.6 | 88.0 |
| 100.0 | 4.478 | 33.199 | 26.304 | 0.1991 | 6.042 | 2.4 | 86.8 |
| 110.0 | 4.478 | 33.199 | 26.304 | 0.2158 | 6.002 | 2.8 | 86.6 |
| 120.0 | 4.478 | 33.199 | 26.304 | 0.2326 | 5.969 | 2.4 | 86.6 |
| 130.0 | 4.478 | 33.199 | 26.304 | 0.2494 | 5.953 | 2.3 | 86.6 |
| 135.0 | 4.478 | 33.199 | 26.304 | 0.2578 | 5.953 | 2.4 | 86.3 |



Cruise EN196 Consecutive Station # 61 Depth m:173 Time: 1989-05-25 03:44
 Position: 41° 42.64'N 68° 34.06'W Depth Deck Offset: -0.20 Fish 1

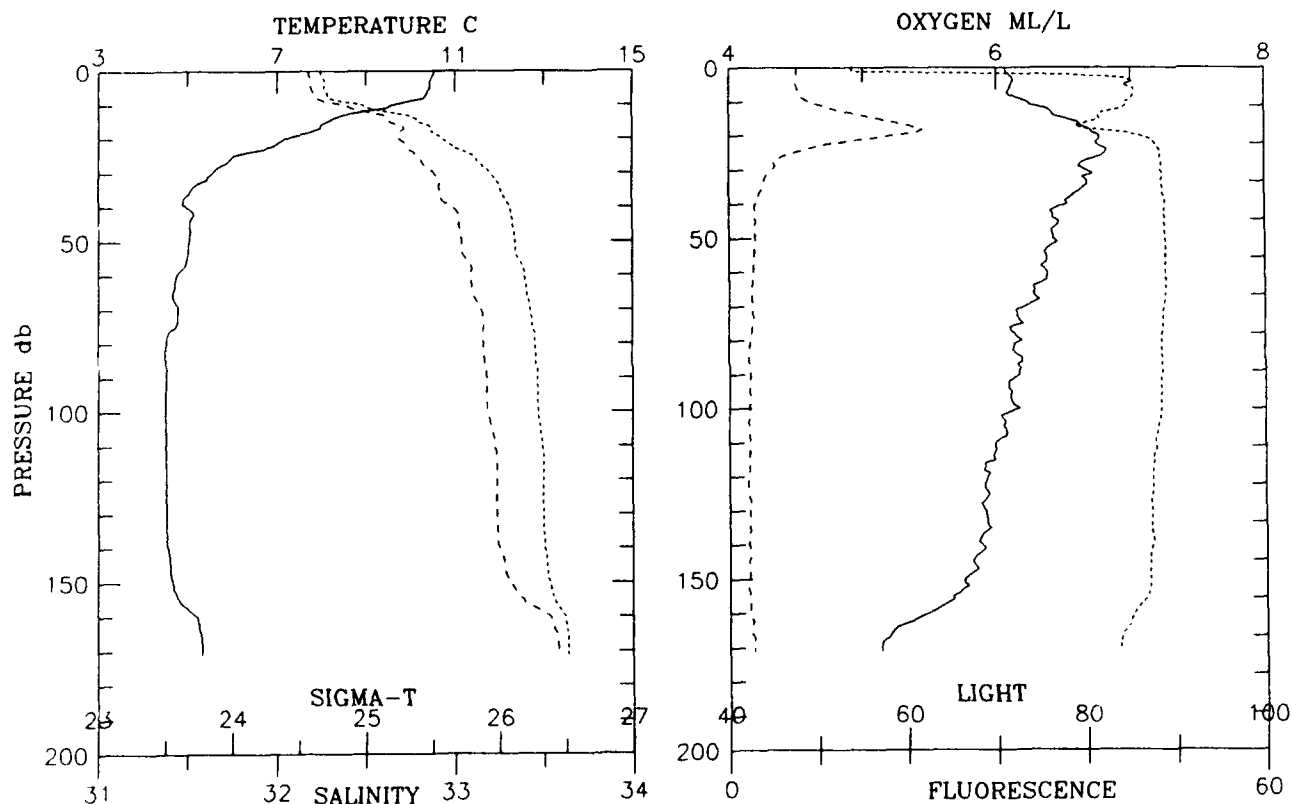
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 10.097 | 32.390 | 24.899 | 0.0000 | 6.025 | 12.7 |
| 10.0 | | 8.558 | 32.667 | 25.360 | 0.0294 | 6.329 | 16.3 |
| 20.0 | | 7.209 | 32.812 | 25.667 | 0.0534 | 6.486 | 7.2 |
| 30.0 | | 5.477 | 32.967 | 26.009 | 0.0742 | 6.557 | 4.0 |
| 40.0 | | 5.245 | 32.992 | 26.056 | 0.0935 | 6.398 | 3.7 |
| 50.0 | | 5.141 | 33.008 | 26.081 | 0.1124 | 6.322 | 3.8 |
| 60.0 | | 4.786 | 33.070 | 26.169 | 0.1309 | 6.296 | 3.5 |
| 70.0 | | 4.658 | 33.107 | 26.212 | 0.1486 | 6.114 | 3.2 |
| 80.0 | | 4.634 | 33.130 | 26.233 | 0.1662 | 6.089 | 3.5 |
| 90.0 | | 4.586 | 33.145 | 26.250 | 0.1835 | 6.018 | 3.0 |
| 100.0 | | 4.582 | 33.159 | 26.262 | 0.2008 | 5.991 | 2.9 |
| 110.0 | | 4.577 | 33.171 | 26.272 | 0.2179 | 5.963 | 3.0 |
| 120.0 | | 4.567 | 33.176 | 26.277 | 0.2350 | 5.951 | 2.8 |
| 130.0 | | 4.548 | 33.183 | 26.284 | 0.2520 | 5.964 | 2.7 |
| 140.0 | | 4.542 | 33.193 | 26.293 | 0.2690 | 5.922 | 2.8 |
| 150.0 | | 4.563 | 33.214 | 26.307 | 0.2859 | 5.905 | 2.7 |
| 160.0 | | 4.980 | 33.408 | 26.415 | 0.3023 | 5.676 | 2.7 |
| 162.0 | | 5.101 | 33.459 | 26.442 | 0.3055 | 5.614 | 2.7 |



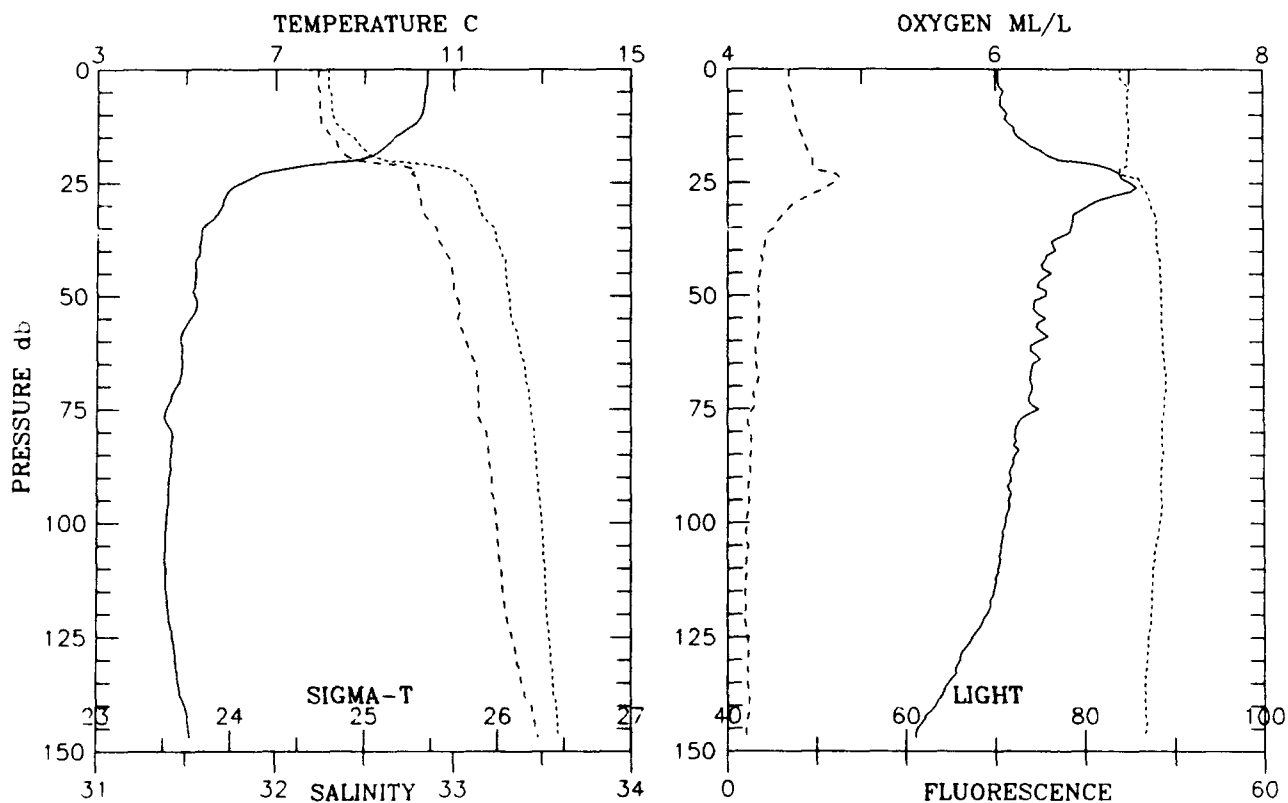
Cruise EN196 Consecutive Station # 62 Depth m:183 Time: 1989-05-25 05:00
 Position: 41° 43.95'W 68° 39.99'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.532 | 32.175 | 24.658 | 0.0000 | 6.068 | 7.6 |
| 10.0 | | 9.594 | 32.391 | 24.982 | 0.0319 | 6.240 | 9.0 |
| 20.0 | | 7.163 | 32.684 | 25.573 | 0.0577 | 6.762 | 18.2 |
| 30.0 | | 5.545 | 32.882 | 25.934 | 0.0795 | 6.669 | 4.8 |
| 40.0 | | 4.972 | 32.983 | 26.079 | 0.0990 | 6.525 | 2.9 |
| 50.0 | | 5.019 | 33.037 | 26.117 | 0.1177 | 6.421 | 2.9 |
| 60.0 | | 4.751 | 33.091 | 26.190 | 0.1359 | 6.380 | 2.7 |
| 70.0 | | 4.776 | 33.147 | 26.231 | 0.1536 | 6.205 | 2.6 |
| 80.0 | | 4.522 | 33.160 | 26.269 | 0.1709 | 6.183 | 2.4 |
| 90.0 | | 4.510 | 33.175 | 26.282 | 0.1879 | 6.163 | 2.3 |
| 100.0 | | 4.506 | 33.183 | 26.288 | 0.2049 | 6.164 | 2.2 |
| 110.0 | | 4.517 | 33.228 | 26.323 | 0.2216 | 5.987 | 2.3 |
| 120.0 | | 4.522 | 33.234 | 26.327 | 0.2382 | 5.921 | 2.1 |
| 130.0 | | 4.522 | 33.235 | 26.328 | 0.2548 | 5.909 | 2.2 |
| 140.0 | | 4.559 | 33.248 | 26.335 | 0.2714 | 5.878 | 2.1 |
| 150.0 | | 4.673 | 33.316 | 26.376 | 0.2878 | 5.749 | 2.2 |
| 160.0 | | 5.207 | 33.532 | 26.488 | 0.3035 | 5.475 | 2.3 |
| 170.0 | | 5.327 | 33.579 | 26.512 | 0.3185 | 5.131 | 2.7 |
| 171.0 | | 5.329 | 33.580 | 26.512 | 0.3200 | 5.131 | 2.7 |



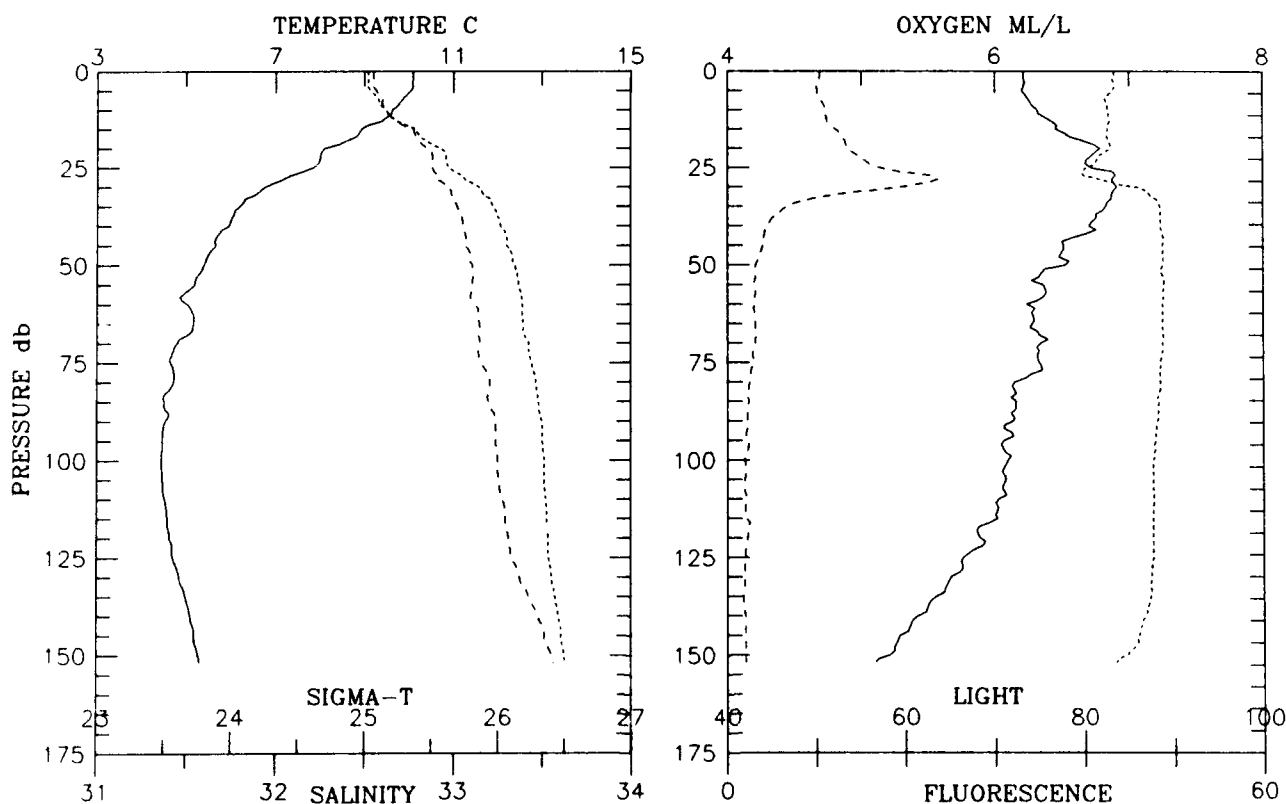
Cruise EN196 Consecutive Station # 63 Depth m:175 Time: 1989-05-25 06:08
 Position: 41° 45.78'N 68° 45.95'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.411 | 32.239 | 24.728 | 0.0000 | 6.021 | 6.9 | 84.0 |
| 10.0 | | 10.281 | 32.249 | 24.758 | 0.0317 | 6.090 | 7.5 | 84.7 |
| 20.0 | | 8.838 | 32.439 | 25.139 | 0.0618 | 6.472 | 9.5 | 84.7 |
| 30.0 | | 5.810 | 32.816 | 25.851 | 0.0841 | 6.700 | 7.1 | 87.4 |
| 40.0 | | 5.295 | 32.953 | 26.020 | 0.1042 | 6.445 | 3.9 | 88.1 |
| 50.0 | | 5.166 | 33.014 | 26.082 | 0.1233 | 6.373 | 3.4 | 88.5 |
| 60.0 | | 4.885 | 33.071 | 26.159 | 0.1419 | 6.320 | 3.2 | 88.7 |
| 70.0 | | 4.772 | 33.140 | 26.226 | 0.1597 | 6.275 | 3.2 | 89.0 |
| 80.0 | | 4.682 | 33.183 | 26.270 | 0.1770 | 6.146 | 2.4 | 88.6 |
| 90.0 | | 4.631 | 33.215 | 26.301 | 0.1939 | 6.111 | 2.4 | 88.5 |
| 100.0 | | 4.560 | 33.242 | 26.330 | 0.2106 | 6.076 | 2.0 | 88.3 |
| 110.0 | | 4.539 | 33.267 | 26.352 | 0.2271 | 6.018 | 2.0 | 87.5 |
| 120.0 | | 4.613 | 33.295 | 26.366 | 0.2433 | 5.932 | 1.9 | 87.3 |
| 130.0 | | 4.765 | 33.356 | 26.398 | 0.2594 | 5.734 | 2.2 | 86.9 |
| 140.0 | | 4.982 | 33.441 | 26.441 | 0.2752 | 5.545 | 2.3 | 86.7 |
| 147.0 | | 5.100 | 33.476 | 26.456 | 0.2860 | 5.405 | 2.2 | 86.7 |



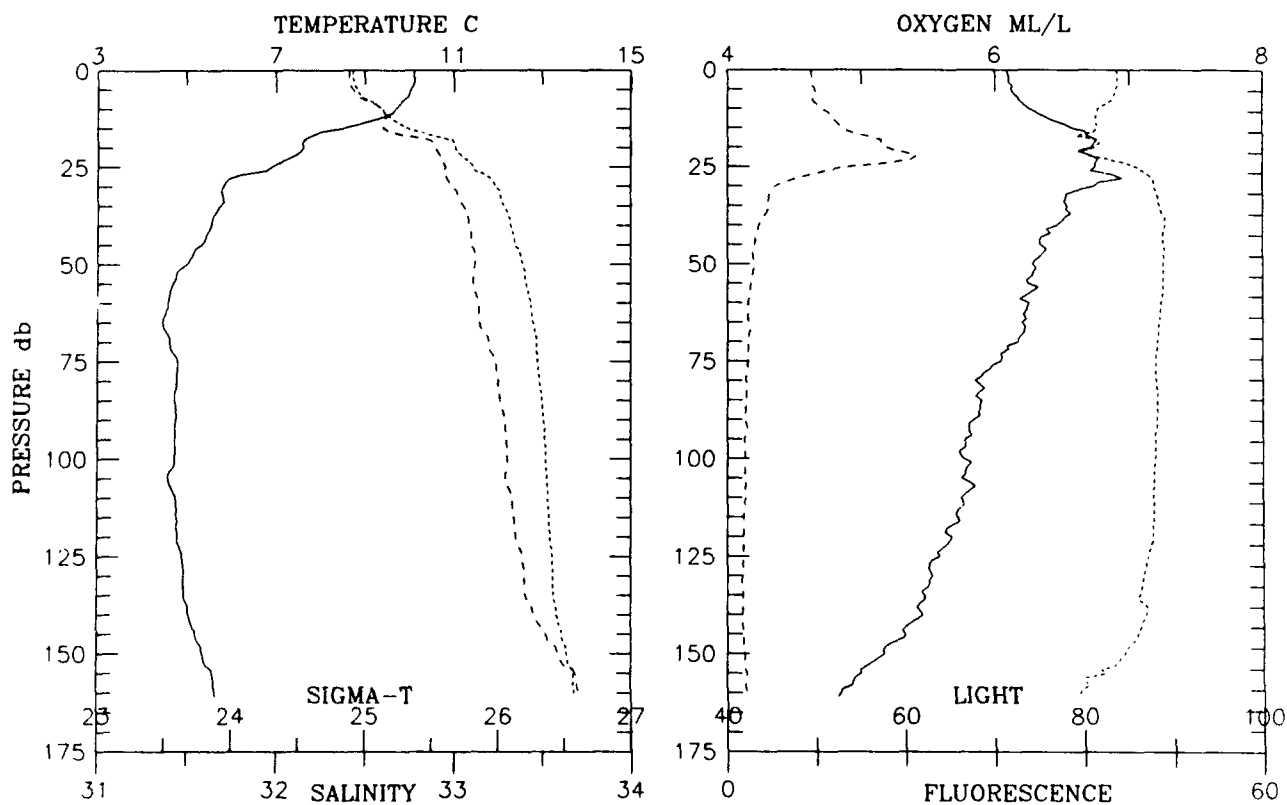
Cruise EN196 Consecutive Station # 64 Depth m:163 Time: 1989-05-25 07:42
 Position: 41° 51.06'N 68° 43.29'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.083 | 32.551 | 25.027 | 0.0000 | 6.214 | 10.4 | 83.3 |
| 10.0 | 9.626 | 32.629 | 25.163 | 0.0286 | 6.317 | 11.0 | 82.6 |
| 20.0 | 8.098 | 32.850 | 25.572 | 0.0545 | 6.784 | 13.4 | 82.9 |
| 30.0 | 6.754 | 32.976 | 25.858 | 0.0772 | 6.909 | 19.4 | 85.9 |
| 40.0 | 5.949 | 33.051 | 26.019 | 0.0973 | 6.698 | 4.4 | 88.5 |
| 50.0 | 5.390 | 33.105 | 26.129 | 0.1162 | 6.523 | 3.1 | 88.7 |
| 60.0 | 5.045 | 33.121 | 26.181 | 0.1343 | 6.234 | 3.0 | 88.7 |
| 70.0 | 4.796 | 33.150 | 26.232 | 0.1521 | 6.339 | 3.1 | 88.7 |
| 80.0 | 4.714 | 33.206 | 26.285 | 0.1693 | 6.145 | 2.5 | 88.4 |
| 90.0 | 4.521 | 33.236 | 26.330 | 0.1861 | 6.136 | 2.2 | 88.1 |
| 100.0 | 4.459 | 33.247 | 26.345 | 0.2026 | 6.093 | 1.9 | 87.6 |
| 110.0 | 4.528 | 33.277 | 26.361 | 0.2189 | 6.028 | 2.1 | 87.7 |
| 120.0 | 4.639 | 33.310 | 26.375 | 0.2351 | 5.884 | 2.2 | 87.6 |
| 130.0 | 4.846 | 33.372 | 26.402 | 0.2512 | 5.665 | 1.9 | 87.4 |
| 140.0 | 5.100 | 33.475 | 26.455 | 0.2668 | 5.416 | 2.0 | 86.7 |
| 150.0 | 5.275 | 33.553 | 26.497 | 0.2821 | 5.208 | 2.0 | 84.7 |
| 152.0 | 5.305 | 33.561 | 26.500 | 0.2851 | 5.099 | 2.1 | 83.5 |



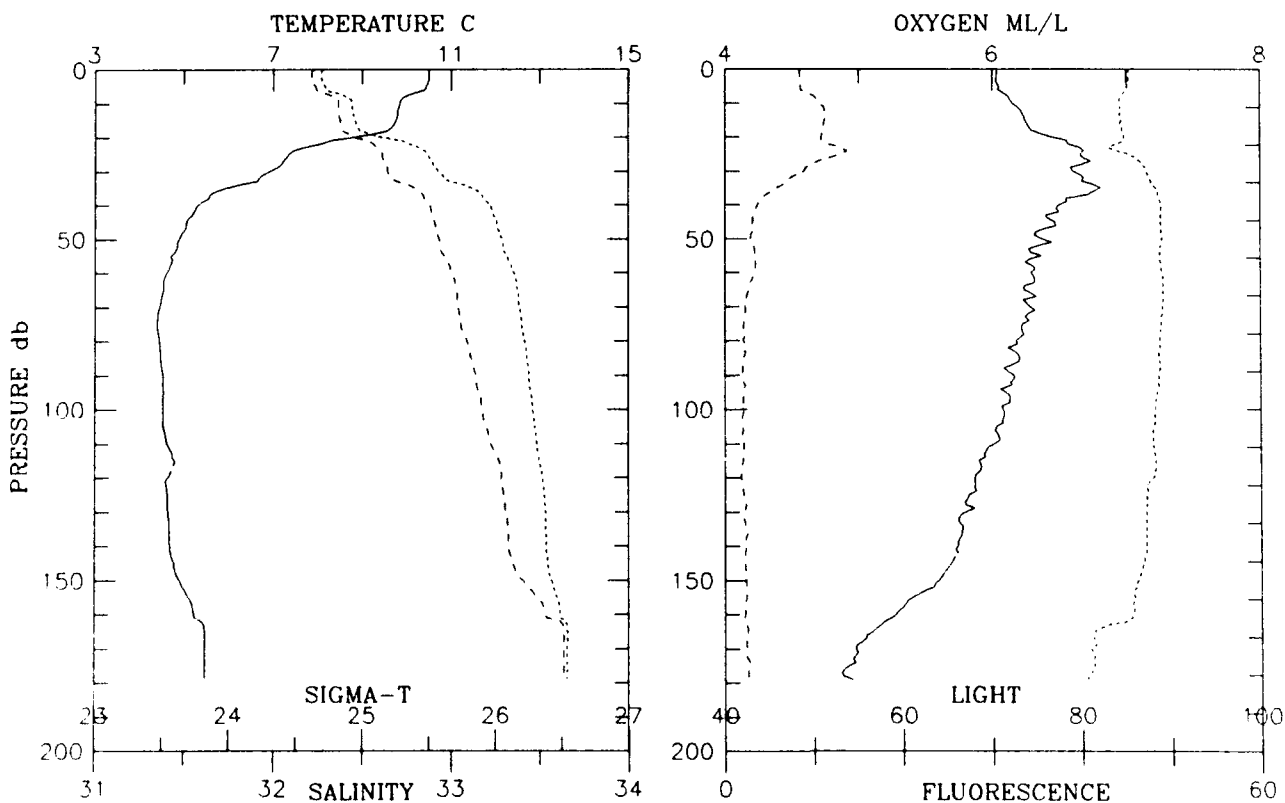
Cruise EN196 Consecutive Station # 65 Depth m:165 Time: 1989-05-25 08:53
 Position: 41° 49.47'N 68° 37.07'W Depth Deck Offset: -0.13 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.119 | 32.413 | 24.913 | 0.0000 | 6.101 | 9.4 |
| 10.0 | | 9.700 | 32.608 | 25.135 | 0.0295 | 6.251 | 10.7 |
| 20.0 | | 7.608 | 32.894 | 25.677 | 0.0550 | 6.719 | 17.9 |
| 30.0 | | 5.817 | 32.987 | 25.985 | 0.0763 | 6.740 | 5.4 |
| 40.0 | | 5.550 | 33.087 | 26.095 | 0.0955 | 6.460 | 3.5 |
| 50.0 | | 4.998 | 33.118 | 26.184 | 0.1138 | 6.277 | 2.9 |
| 60.0 | | 4.592 | 33.143 | 26.248 | 0.1314 | 6.252 | 2.3 |
| 70.0 | | 4.623 | 33.197 | 26.287 | 0.1485 | 6.170 | 2.3 |
| 80.0 | | 4.788 | 33.255 | 26.315 | 0.1653 | 5.852 | 2.1 |
| 90.0 | | 4.765 | 33.286 | 26.343 | 0.1819 | 5.840 | 1.9 |
| 100.0 | | 4.737 | 33.302 | 26.358 | 0.1982 | 5.766 | 1.9 |
| 110.0 | | 4.761 | 33.330 | 26.378 | 0.2144 | 5.750 | 2.1 |
| 120.0 | | 4.803 | 33.352 | 26.391 | 0.2304 | 5.675 | 1.8 |
| 130.0 | | 4.944 | 33.396 | 26.410 | 0.2463 | 5.530 | 1.7 |
| 140.0 | | 5.053 | 33.452 | 26.442 | 0.2620 | 5.456 | 1.7 |
| 150.0 | | 5.367 | 33.590 | 26.515 | 0.2772 | 5.174 | 1.9 |
| 160.0 | | 5.640 | 33.703 | 26.572 | 0.2918 | 4.845 | 2.2 |
| 161.0 | | 5.646 | 33.705 | 26.573 | 0.2932 | 4.827 | 2.1 |



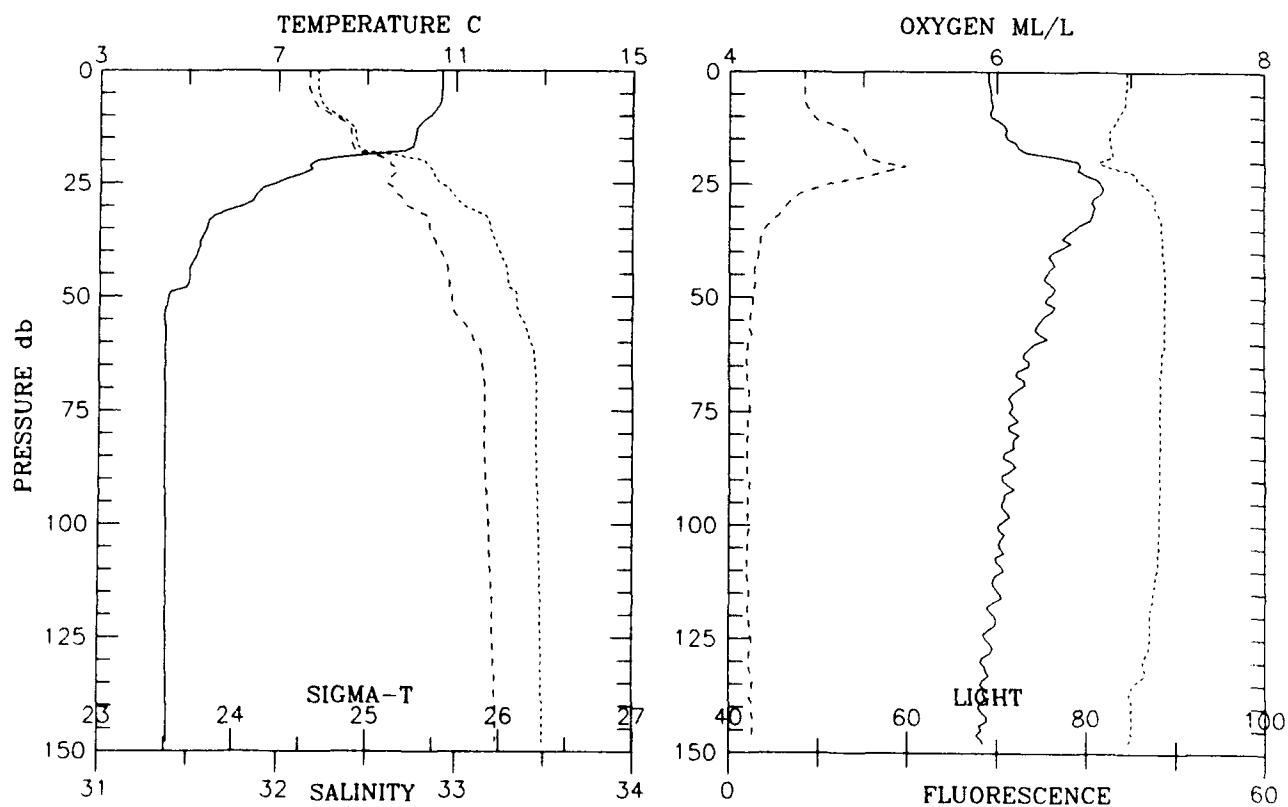
Cruise EN196 Consecutive Station # 66 Depth m:183 Time: 1989-05-25 10:17
 Position: 41° 44.14'N 68° 39.92'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.494 | 32.217 | 24.697 | 0.0000 | 6.033 | 8.4 | 85.2 |
| 10.0 | 9.845 | 32.365 | 24.921 | 0.0314 | 6.153 | 10.6 | 84.3 |
| 20.0 | 8.809 | 32.456 | 25.156 | 0.0609 | 6.445 | 10.8 | 84.7 |
| 30.0 | 6.917 | 32.643 | 25.573 | 0.0858 | 6.601 | 8.9 | 87.2 |
| 40.0 | 5.310 | 32.883 | 25.962 | 0.1075 | 6.498 | 3.6 | 88.8 |
| 50.0 | 4.880 | 32.932 | 26.049 | 0.1271 | 6.369 | 2.8 | 89.0 |
| 60.0 | 4.611 | 33.007 | 26.138 | 0.1459 | 6.287 | 3.2 | 89.0 |
| 70.0 | 4.463 | 33.038 | 26.178 | 0.1640 | 6.282 | 2.2 | 89.0 |
| 80.0 | 4.445 | 33.088 | 26.220 | 0.1818 | 6.177 | 2.0 | 88.7 |
| 90.0 | 4.526 | 33.138 | 26.251 | 0.1992 | 6.161 | 2.0 | 88.6 |
| 100.0 | 4.531 | 33.176 | 26.281 | 0.2163 | 6.074 | 2.1 | 88.2 |
| 110.0 | 4.615 | 33.222 | 26.308 | 0.2332 | 6.011 | 2.1 | 87.9 |
| 120.0 | 4.640 | 33.281 | 26.352 | 0.2497 | 5.867 | 1.8 | 88.0 |
| 130.0 | 4.646 | 33.309 | 26.374 | 0.2660 | 5.793 | 2.2 | 87.1 |
| 140.0 | 4.687 | 33.325 | 26.382 | 0.2821 | 5.739 | 2.3 | 87.1 |
| 150.0 | 4.907 | 33.406 | 26.422 | 0.2981 | 5.593 | 2.3 | 86.2 |
| 160.0 | 5.228 | 33.533 | 26.486 | 0.3135 | 5.273 | 2.2 | 85.6 |
| 170.0 | 5.474 | 33.636 | 26.539 | 0.3282 | 4.974 | 2.5 | 80.9 |
| 179.0 | 5.473 | 33.635 | 26.539 | 0.3414 | 4.951 | 2.6 | 80.5 |



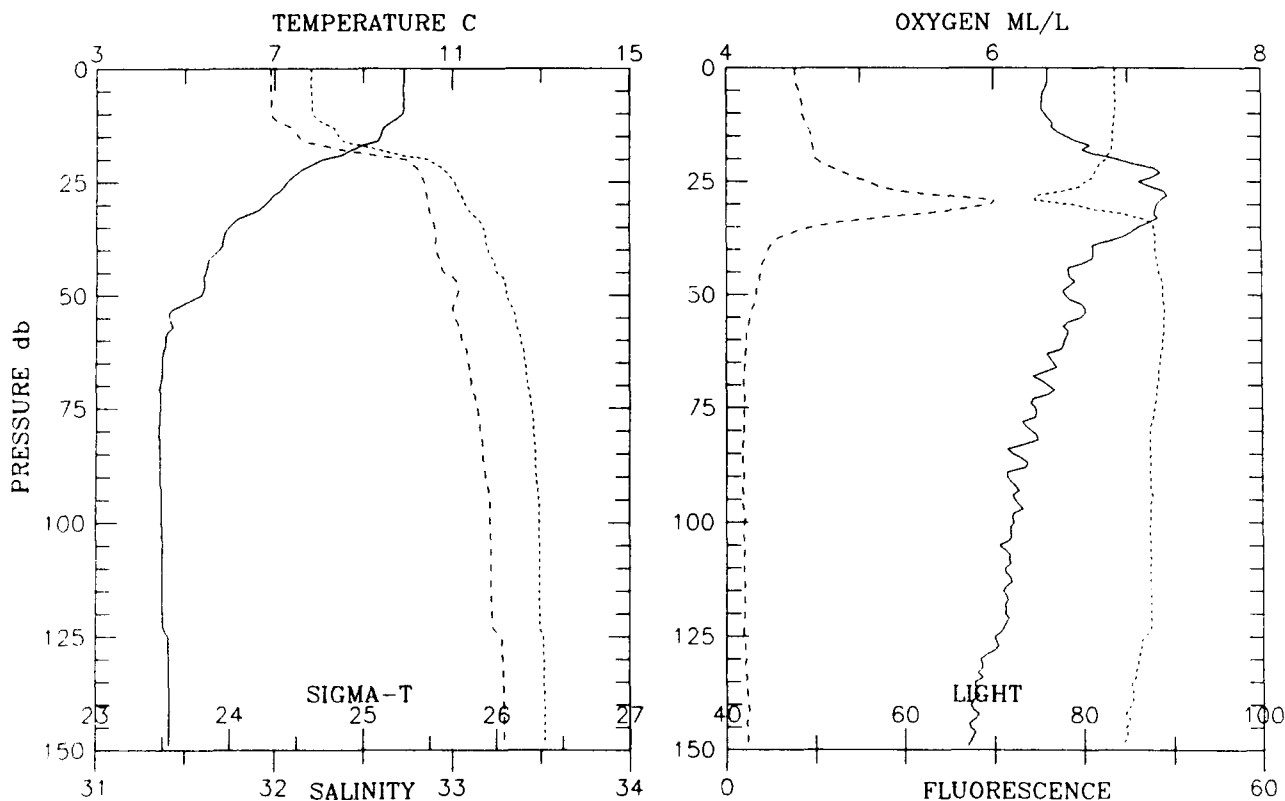
Cruise EN196 Consecutive Station # 67 Depth m:153 Time: 1989-05-25 11:30
 Position: 41° 39.14'N 68° 41.76'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.690 | 32.175 | 24.631 | 0.0000 | 5.938 | 8.4 | 84.6 |
| 10.0 | 10.444 | 32.301 | 24.771 | 0.0325 | 5.958 | 9.5 | 83.6 |
| 20.0 | 7.873 | 32.627 | 25.429 | 0.0620 | 6.608 | 16.7 | 81.4 |
| 30.0 | 6.219 | 32.725 | 25.728 | 0.0858 | 6.732 | 6.2 | 87.7 |
| 40.0 | 5.216 | 32.917 | 26.000 | 0.1062 | 6.424 | 3.2 | 88.6 |
| 50.0 | 4.544 | 32.980 | 26.124 | 0.1253 | 6.376 | 2.6 | 88.8 |
| 60.0 | 4.496 | 33.114 | 26.235 | 0.1432 | 6.287 | 2.1 | 88.8 |
| 70.0 | 4.493 | 33.164 | 26.275 | 0.1604 | 6.157 | 2.1 | 88.3 |
| 80.0 | 4.492 | 33.165 | 26.276 | 0.1774 | 6.166 | 2.1 | 88.3 |
| 90.0 | 4.492 | 33.173 | 26.282 | 0.1944 | 6.046 | 2.3 | 88.2 |
| 100.0 | 4.509 | 33.190 | 26.294 | 0.2113 | 6.011 | 2.2 | 88.1 |
| 110.0 | 4.513 | 33.201 | 26.303 | 0.2281 | 6.049 | 2.1 | 87.9 |
| 120.0 | 4.519 | 33.211 | 26.310 | 0.2449 | 5.988 | 2.2 | 87.1 |
| 130.0 | 4.533 | 33.221 | 26.316 | 0.2616 | 5.881 | 2.2 | 86.3 |
| 140.0 | 4.549 | 33.230 | 26.322 | 0.2783 | 5.860 | 2.5 | 85.0 |
| 148.0 | 4.548 | 33.230 | 26.322 | 0.2916 | 5.898 | 2.6 | 84.5 |



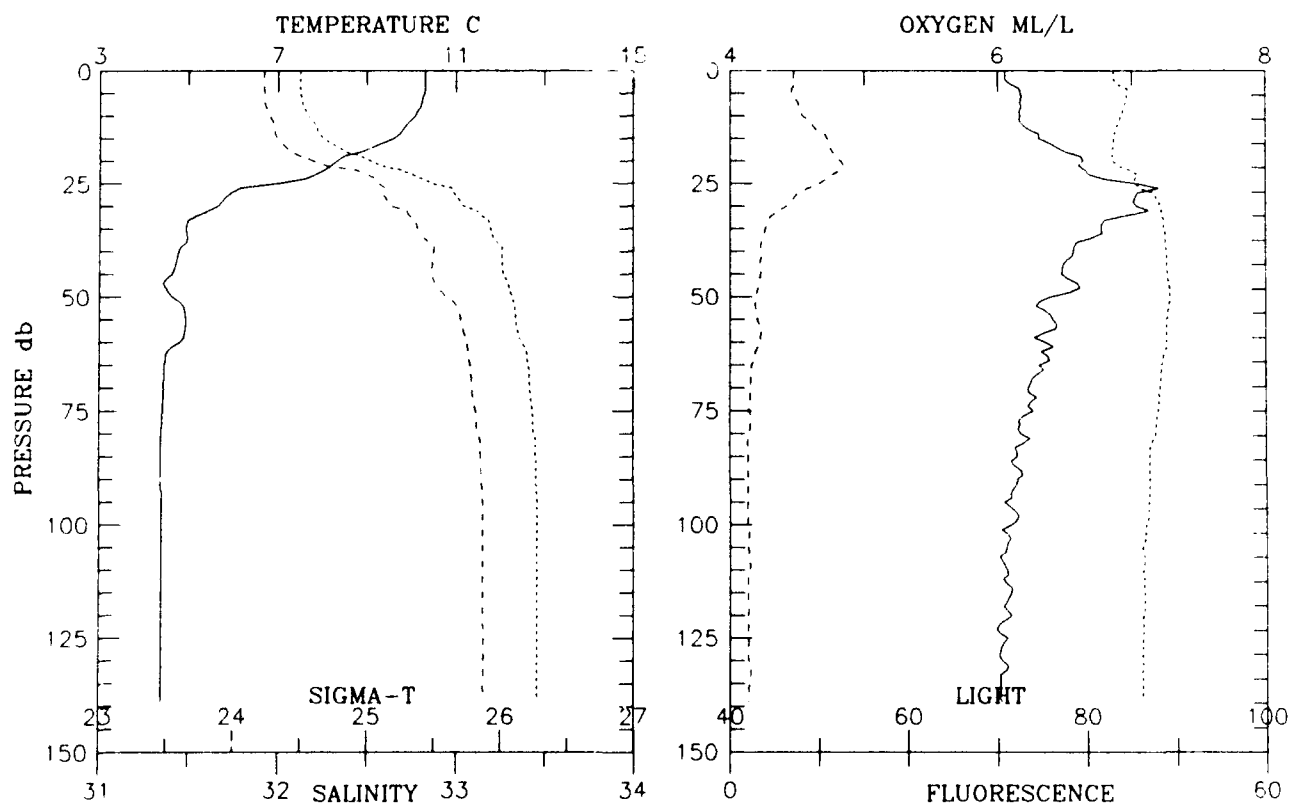
Cruise EN196 Consecutive Station # 68 Depth m:157 Time: 1989-05-25 13:13
 Position: 41° 40.76'N 68° 48.10'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.907 | 31.978 | 24.608 | 0.0000 | 6.404 | 7.8 | 83.6 |
| 10.0 | 9.875 | 31.981 | 24.616 | 0.0329 | 6.380 | 8.5 | 83.6 |
| 20.0 | 8.077 | 32.738 | 25.487 | 0.0630 | 6.919 | 10.1 | 82.7 |
| 30.0 | 6.784 | 32.865 | 25.766 | 0.0859 | 7.218 | 29.7 | 78.9 |
| 40.0 | 5.737 | 32.908 | 25.932 | 0.1067 | 6.737 | 4.6 | 88.0 |
| 50.0 | 5.348 | 33.027 | 26.072 | 0.1262 | 6.529 | 3.3 | 88.9 |
| 60.0 | 4.560 | 33.053 | 26.180 | 0.1446 | 6.525 | 2.2 | 88.9 |
| 70.0 | 4.445 | 33.107 | 26.235 | 0.1622 | 6.402 | 1.9 | 88.3 |
| 80.0 | 4.415 | 33.154 | 26.275 | 0.1793 | 6.278 | 1.9 | 87.4 |
| 90.0 | 4.446 | 33.186 | 26.297 | 0.1963 | 6.097 | 1.9 | 87.5 |
| 100.0 | 4.475 | 33.214 | 26.317 | 0.2130 | 6.146 | 2.0 | 87.4 |
| 110.0 | 4.481 | 33.216 | 26.318 | 0.2296 | 6.080 | 1.9 | 87.4 |
| 120.0 | 4.496 | 33.223 | 26.322 | 0.2463 | 6.078 | 2.0 | 87.5 |
| 130.0 | 4.639 | 33.284 | 26.355 | 0.2627 | 5.893 | 2.2 | 86.1 |
| 140.0 | 4.651 | 33.291 | 26.359 | 0.2790 | 5.822 | 2.4 | 85.3 |
| 149.0 | 4.652 | 33.293 | 26.361 | 0.2937 | 5.796 | 2.3 | 84.1 |



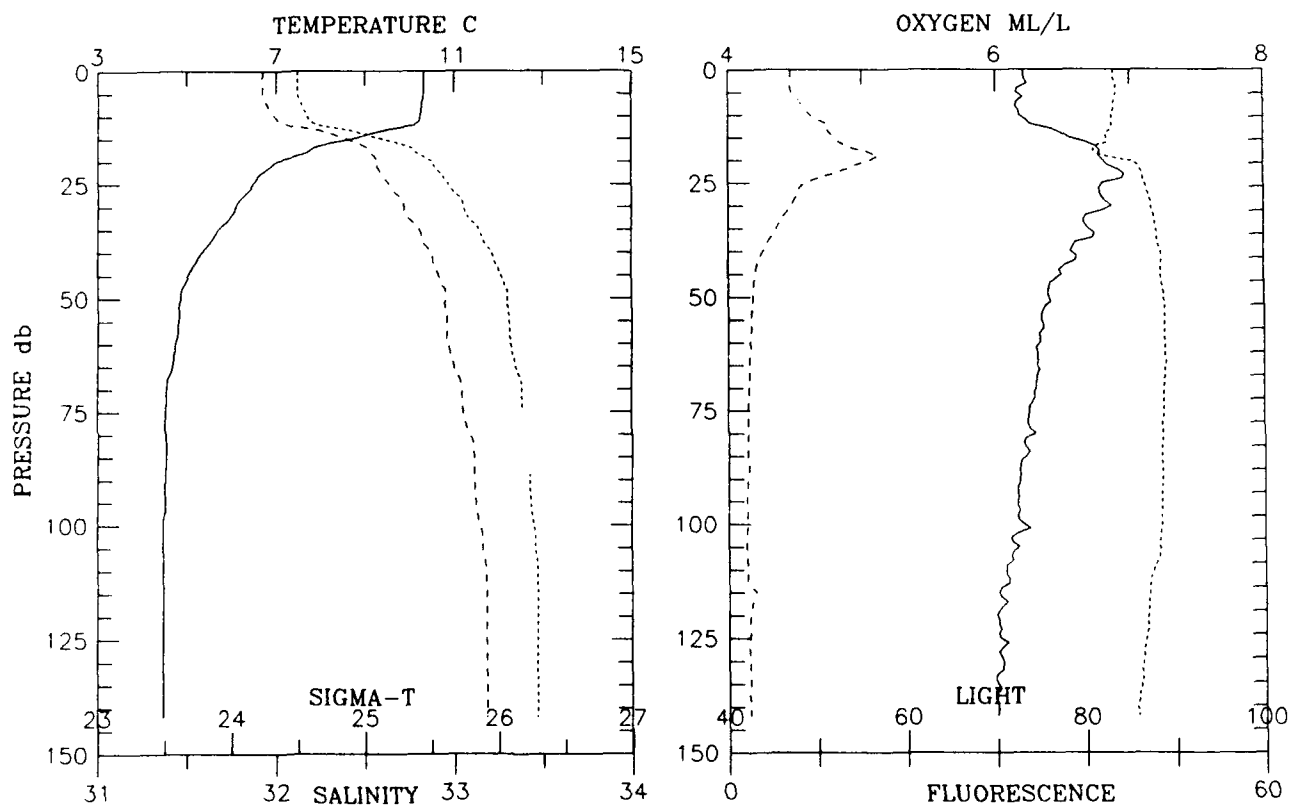
Cruise EN196 Consecutive Station # 69 Depth m:146 Time: 1989-05-25 14:33
 Position: 41° 35.78'N 68° 51.16'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.301 | 31.922 | 24.500 | 0.0000 | 6.056 | 7.1 | 83.0 |
| 10.0 | 10.084 | 31.953 | 24.560 | 0.0338 | 6.167 | 8.1 | 83.8 |
| 20.0 | 8.326 | 32.196 | 25.026 | 0.0656 | 6.638 | 12.4 | 82.9 |
| 30.0 | 5.645 | 32.630 | 25.723 | 0.0904 | 7.033 | 6.3 | 88.2 |
| 40.0 | 4.784 | 32.873 | 26.013 | 0.1108 | 6.565 | 3.4 | 88.9 |
| 50.0 | 4.634 | 32.945 | 26.087 | 0.1301 | 6.391 | 2.8 | 89.2 |
| 60.0 | 4.806 | 33.061 | 26.159 | 0.1486 | 6.355 | 3.3 | 88.9 |
| 70.0 | 4.446 | 33.092 | 26.223 | 0.1662 | 6.225 | 2.2 | 88.1 |
| 80.0 | 4.390 | 33.119 | 26.250 | 0.1836 | 6.166 | 2.1 | 87.6 |
| 90.0 | 4.389 | 33.145 | 26.271 | 0.2007 | 6.139 | 2.0 | 86.9 |
| 100.0 | 4.395 | 33.152 | 26.276 | 0.2178 | 6.096 | 1.9 | 86.5 |
| 110.0 | 4.395 | 33.152 | 26.276 | 0.2348 | 6.065 | 2.2 | 86.2 |
| 120.0 | 4.395 | 33.152 | 26.276 | 0.2519 | 6.101 | 2.0 | 86.2 |
| 130.0 | 4.395 | 33.153 | 26.276 | 0.2689 | 6.029 | 2.1 | 86.1 |
| 139.0 | 4.395 | 33.153 | 26.276 | 0.2843 | 6.024 | 2.1 | 86.0 |



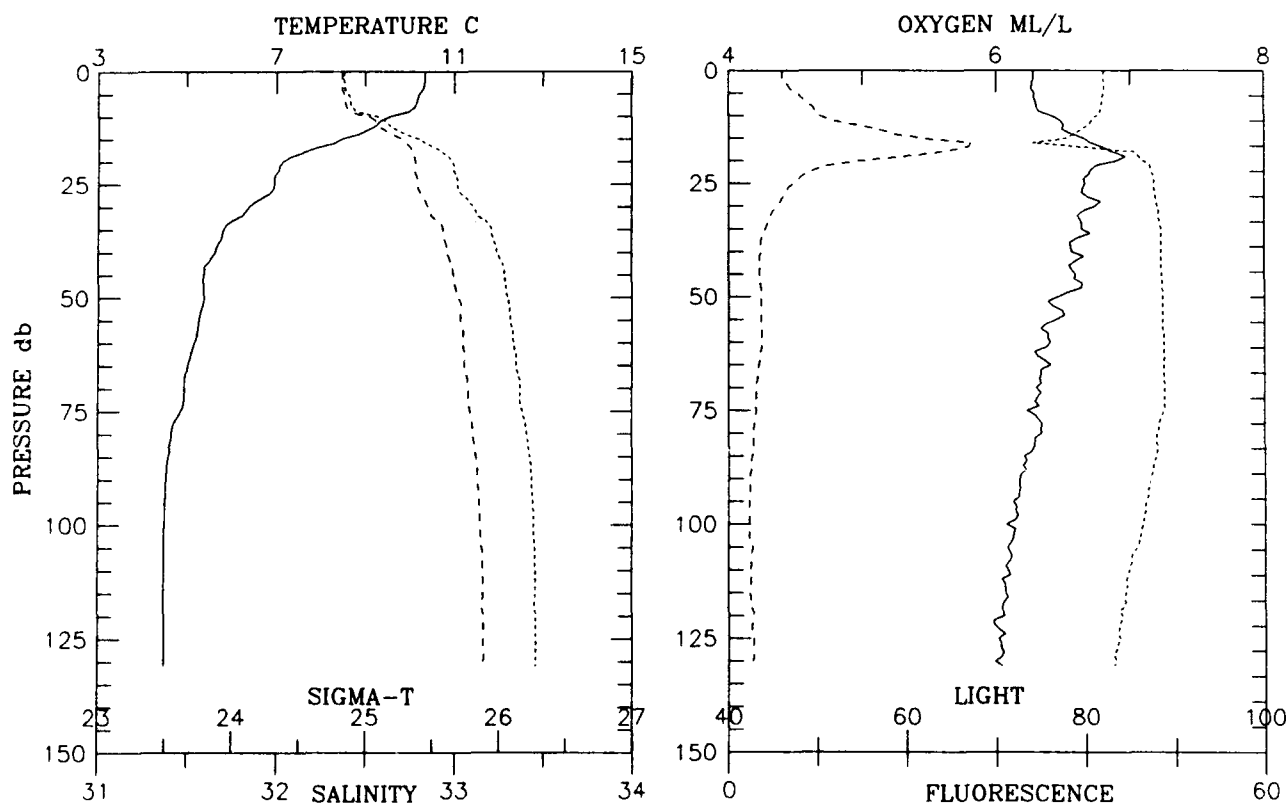
Cruise EN196 Consecutive Station # 70 Depth m:154 Time: 1989-05-25 15:41
 Position: 41° 34.18'N 68° 44.67'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.326 | 31.923 | 24.497 | 0.0000 | 6.210 | 7.0 | 83.2 |
| 10.0 | | 10.233 | 31.992 | 24.566 | 0.0338 | 6.174 | 9.2 | 83.0 |
| 20.0 | | 7.005 | 32.578 | 25.510 | 0.0624 | 6.803 | 15.9 | 85.2 |
| 30.0 | | 6.089 | 32.717 | 25.738 | 0.0856 | 6.865 | 7.0 | 87.3 |
| 40.0 | | 5.324 | 32.868 | 25.949 | 0.1067 | 6.557 | 3.9 | 88.4 |
| 50.0 | | 4.857 | 32.950 | 26.066 | 0.1262 | 6.395 | 2.7 | 88.7 |
| 60.0 | | 4.734 | 32.962 | 26.089 | 0.1451 | 6.327 | 2.4 | 88.9 |
| 70.0 | | 4.549 | 33.043 | 26.173 | 0.1635 | 6.295 | 2.3 | 88.7 |
| 80.0 | | 4.512 | 33.086 | 26.211 | 0.1814 | 6.293 | 2.2 | 88.6 |
| 90.0 | | 4.508 | 33.112 | 26.232 | 0.1988 | 6.172 | 2.1 | 88.5 |
| 100.0 | | 4.474 | 33.142 | 26.250 | 0.2162 | 6.201 | 2.1 | 88.4 |
| 110.0 | | 4.466 | 33.178 | 26.289 | 0.2332 | 6.068 | 2.1 | 87.5 |
| 120.0 | | 4.467 | 33.181 | 26.291 | 0.2502 | 5.995 | 2.4 | 86.8 |
| 130.0 | | 4.468 | 33.182 | 26.292 | 0.2671 | 6.046 | 2.4 | 86.3 |
| 140.0 | | 4.468 | 33.182 | 26.292 | 0.2840 | 6.004 | 2.4 | 85.6 |
| 142.0 | | 4.468 | 33.182 | 26.292 | 0.2874 | 6.003 | 2.4 | 85.7 |



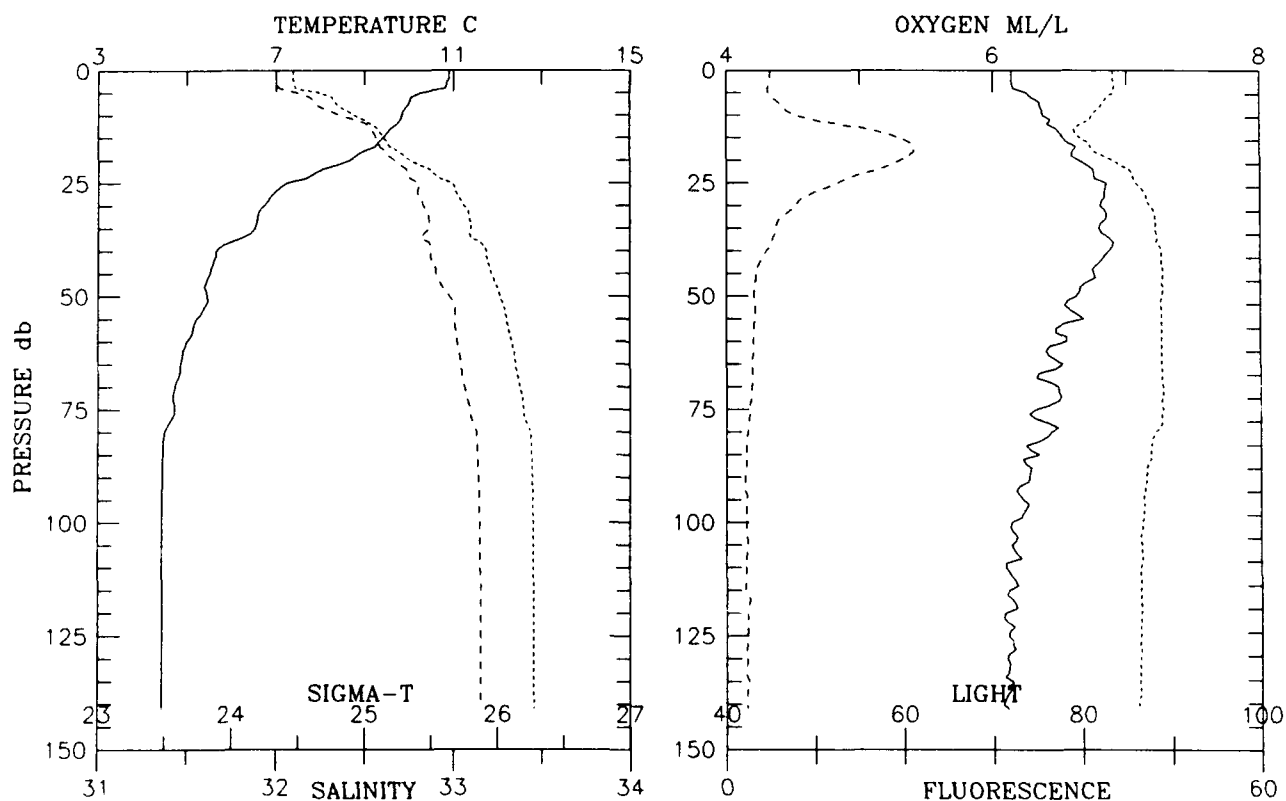
Cruise EN196 Consecutive Station # 71 Depth m:137 Time: 1989-05-25 16:52
 Position: 41° 32.75'N 68° 38.51'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.330 | 32.368 | 24.843 | 0.0000 | 6.276 | 6.0 | 82.0 |
| 10.0 | 9.544 | 32.521 | 25.091 | 0.0303 | 6.408 | 10.2 | 81.2 |
| 20.0 | 7.132 | 32.779 | 25.652 | 0.0558 | 6.900 | 14.6 | 86.4 |
| 30.0 | 6.377 | 32.847 | 25.805 | 0.0783 | 6.739 | 5.4 | 88.0 |
| 40.0 | 5.627 | 32.959 | 25.986 | 0.0987 | 6.564 | 3.6 | 88.4 |
| 50.0 | 5.370 | 33.017 | 26.061 | 0.1180 | 6.458 | 3.6 | 88.6 |
| 60.0 | 5.160 | 33.049 | 26.111 | 0.1368 | 6.399 | 3.7 | 88.7 |
| 70.0 | 4.938 | 33.077 | 26.158 | 0.1551 | 6.296 | 3.1 | 88.8 |
| 80.0 | 4.655 | 33.103 | 26.210 | 0.1731 | 6.335 | 2.8 | 87.9 |
| 90.0 | 4.524 | 33.133 | 26.247 | 0.1905 | 6.168 | 2.4 | 87.2 |
| 100.0 | 4.495 | 33.146 | 26.260 | 0.2078 | 6.074 | 2.3 | 86.4 |
| 110.0 | 4.480 | 33.160 | 26.273 | 0.2249 | 6.081 | 2.4 | 84.8 |
| 120.0 | 4.479 | 33.162 | 26.275 | 0.2420 | 6.054 | 2.7 | 84.0 |
| 130.0 | 4.479 | 33.163 | 26.276 | 0.2590 | 5.987 | 2.7 | 83.3 |
| 131.0 | 4.479 | 33.164 | 26.276 | 0.2607 | 6.041 | 2.8 | 83.1 |



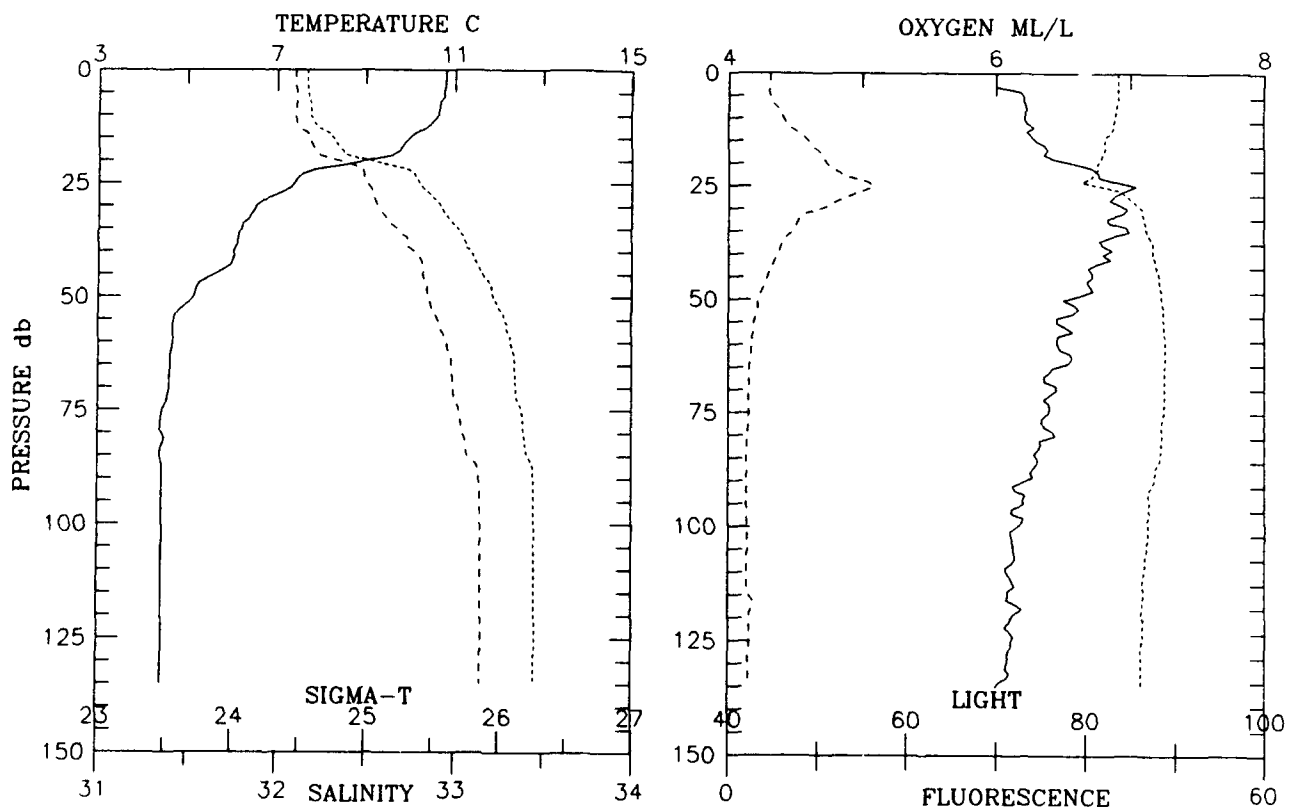
Cruise EN196 Consecutive Station # 72 Depth m:148 Time: 1989-05-25 18:39
 Position: 41° 28.48'N 68° 46.42'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.897 | 32.001 | 24.460 | 0.0000 | 6.141 | 4.9 | 83.5 |
| 10.0 | | 9.846 | 32.367 | 24.922 | 0.0326 | 6.377 | 7.8 | 81.1 |
| 20.0 | | 8.671 | 32.668 | 25.343 | 0.0604 | 6.641 | 19.6 | 83.5 |
| 30.0 | | 6.732 | 32.831 | 25.746 | 0.0839 | 6.802 | 7.7 | 87.7 |
| 40.0 | | 5.652 | 32.874 | 25.916 | 0.1053 | 6.862 | 4.5 | 88.9 |
| 50.0 | | 5.445 | 32.977 | 26.021 | 0.1253 | 6.620 | 3.1 | 88.9 |
| 60.0 | | 5.003 | 33.021 | 26.106 | 0.1443 | 6.547 | 3.0 | 88.9 |
| 70.0 | | 4.731 | 33.062 | 26.169 | 0.1626 | 6.484 | 2.8 | 89.0 |
| 80.0 | | 4.497 | 33.132 | 26.249 | 0.1804 | 6.433 | 2.4 | 88.2 |
| 90.0 | | 4.452 | 33.145 | 26.264 | 0.1976 | 6.269 | 2.1 | 87.1 |
| 100.0 | | 4.450 | 33.151 | 26.269 | 0.2147 | 6.138 | 2.3 | 86.7 |
| 110.0 | | 4.450 | 33.152 | 26.270 | 0.2318 | 6.092 | 2.2 | 86.5 |
| 120.0 | | 4.450 | 33.154 | 26.271 | 0.2489 | 6.082 | 2.3 | 86.5 |
| 130.0 | | 4.450 | 33.155 | 26.272 | 0.2660 | 6.101 | 2.3 | 86.4 |
| 140.0 | | 4.451 | 33.156 | 26.273 | 0.2831 | 6.070 | 2.3 | 86.2 |
| 141.0 | | 4.450 | 33.155 | 26.272 | 0.2848 | 6.109 | 2.3 | 86.3 |



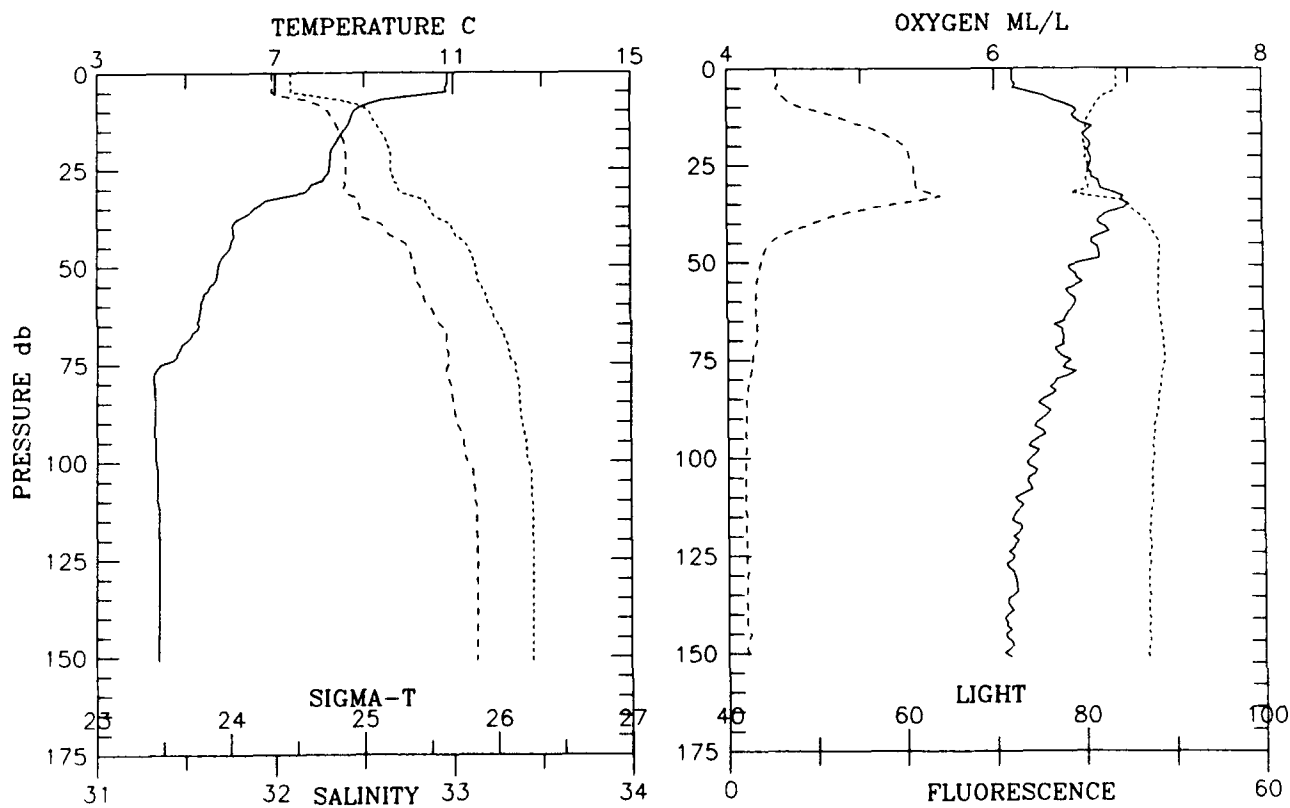
Cruise EN196 Consecutive Station # 73 Depth m:136 Time: 1989-05-25 19:52
 Position: 41° 28.47'N 68° 52.68'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.796 | 32.104 | 24.557 | 0.0000 | 6.000 | 4.6 | 83.6 |
| 10.0 | | 10.643 | 32.106 | 24.585 | 0.0333 | 6.214 | 6.2 | 83.3 |
| 20.0 | | 9.057 | 32.336 | 25.024 | 0.0649 | 6.588 | 11.0 | 81.3 |
| 30.0 | | 6.533 | 32.567 | 25.564 | 0.0904 | 6.978 | 10.2 | 86.3 |
| 40.0 | | 6.032 | 32.772 | 25.789 | 0.1131 | 6.798 | 5.4 | 87.5 |
| 50.0 | | 5.142 | 32.851 | 25.956 | 0.1339 | 6.499 | 3.3 | 88.5 |
| 60.0 | | 4.677 | 32.954 | 26.089 | 0.1532 | 6.457 | 2.6 | 88.9 |
| 70.0 | | 4.601 | 32.992 | 26.127 | 0.1717 | 6.449 | 2.2 | 88.8 |
| 80.0 | | 4.426 | 33.047 | 26.190 | 0.1898 | 6.436 | 2.2 | 88.5 |
| 90.0 | | 4.440 | 33.140 | 26.262 | 0.2073 | 6.211 | 2.0 | 87.6 |
| 100.0 | | 4.444 | 33.148 | 26.267 | 0.2245 | 6.145 | 2.0 | 86.9 |
| 110.0 | | 4.444 | 33.150 | 26.269 | 0.2416 | 6.077 | 2.1 | 86.5 |
| 120.0 | | 4.444 | 33.152 | 26.271 | 0.2587 | 6.109 | 2.3 | 86.3 |
| 130.0 | | 4.444 | 33.151 | 26.270 | 0.2758 | 6.080 | 2.2 | 86.2 |
| 135.0 | | 4.444 | 33.152 | 26.270 | 0.2844 | 5.998 | 2.4 | 86.1 |



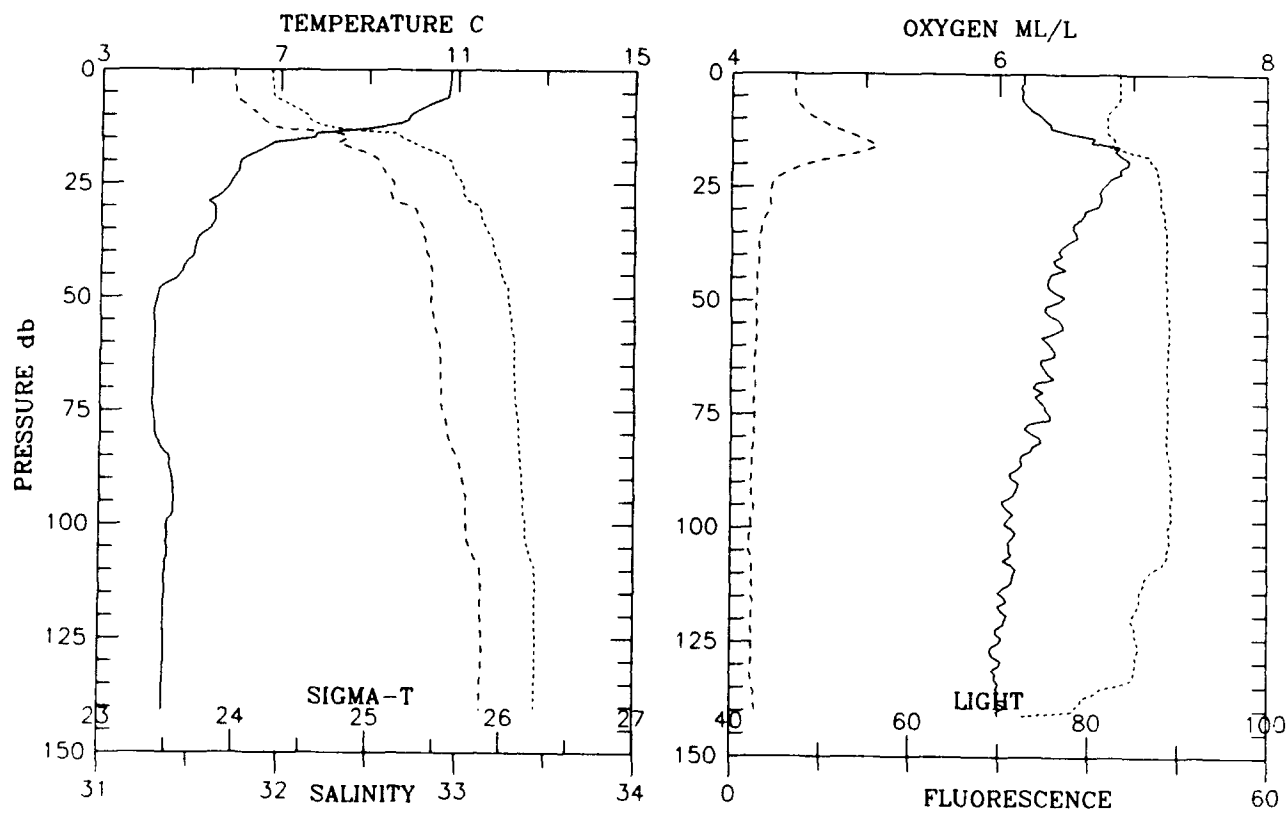
Cruise EN196 Consecutive Station # 74 Depth m:155 Time: 1989-05-25 21:00
 Position: 41° 28.62'N 68° 58.82'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.867 | 31.983 | 24.451 | 0.0000 | 6.135 | 5.5 | 83.7 |
| 10.0 | 8.774 | 32.299 | 25.039 | 0.0326 | 6.590 | 8.4 | 81.2 |
| 20.0 | 8.252 | 32.395 | 25.192 | 0.0607 | 6.714 | 19.9 | 80.1 |
| 30.0 | 7.757 | 32.383 | 25.254 | 0.0879 | 6.784 | 21.2 | 80.5 |
| 40.0 | 6.045 | 32.613 | 25.661 | 0.1125 | 6.780 | 9.6 | 87.3 |
| 50.0 | 5.718 | 32.780 | 25.833 | 0.1344 | 6.634 | 3.8 | 88.3 |
| 60.0 | 5.341 | 32.852 | 25.934 | 0.1552 | 6.601 | 3.1 | 88.3 |
| 70.0 | 4.897 | 32.962 | 26.071 | 0.1748 | 6.502 | 3.2 | 88.7 |
| 80.0 | 4.277 | 32.978 | 26.150 | 0.1934 | 6.453 | 2.3 | 88.5 |
| 90.0 | 4.308 | 33.018 | 26.179 | 0.2115 | 6.348 | 2.1 | 87.9 |
| 100.0 | 4.325 | 33.073 | 26.221 | 0.2292 | 6.256 | 1.9 | 87.5 |
| 110.0 | 4.364 | 33.119 | 26.253 | 0.2465 | 6.144 | 1.9 | 87.4 |
| 120.0 | 4.394 | 33.132 | 26.260 | 0.2637 | 6.127 | 2.0 | 87.1 |
| 130.0 | 4.397 | 33.130 | 26.259 | 0.2809 | 6.131 | 2.1 | 87.0 |
| 140.0 | 4.396 | 33.133 | 26.261 | 0.2981 | 6.083 | 2.1 | 87.0 |
| 150.0 | 4.398 | 33.133 | 26.261 | 0.3153 | 6.059 | 2.2 | 86.9 |
| 151.0 | 4.397 | 33.133 | 26.261 | 0.3171 | 6.109 | 2.1 | 87.0 |



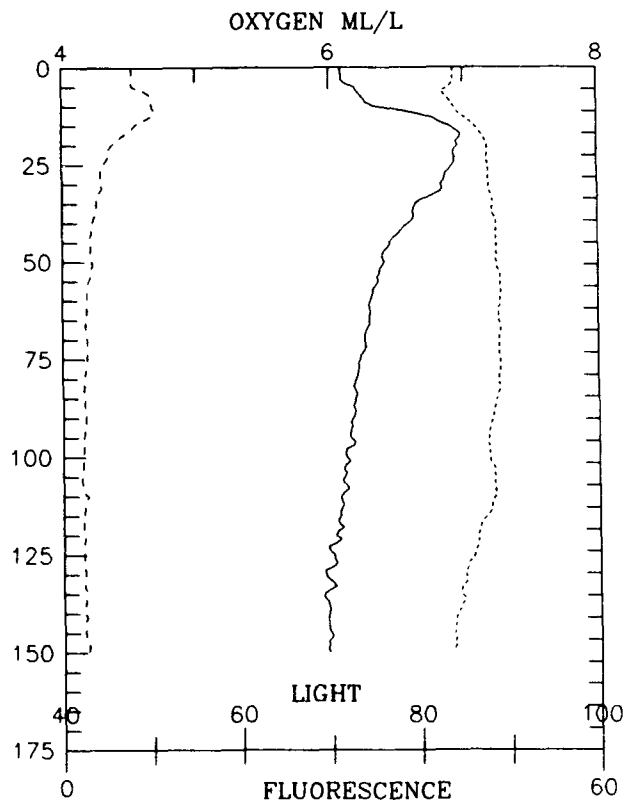
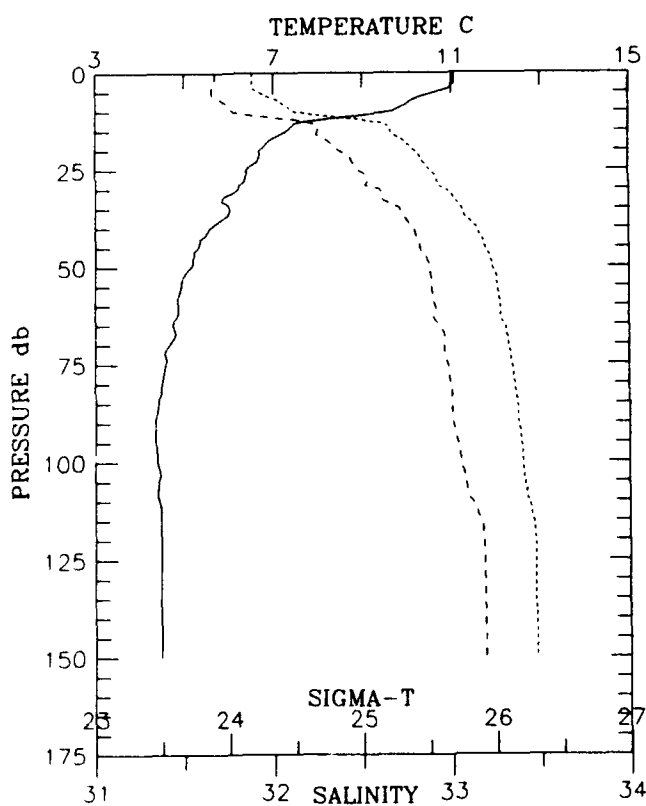
Cruise EN196 Consecutive Station # 75 Depth m:145 Time: 1989-05-25 22:14
 Position: 41° 28.62'N 69° 5.08'W Depth Deck Offset: -0.23 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.827 | 31.741 | 24.269 | 0.0000 | 6.181 | 7.1 | 83.5 |
| 10.0 | | 9.929 | 31.891 | 24.537 | 0.0356 | 6.337 | 9.6 | 82.2 |
| 20.0 | | 6.098 | 32.558 | 25.612 | 0.0635 | 6.955 | 8.1 | 87.3 |
| 30.0 | | 5.555 | 32.753 | 25.831 | 0.0861 | 6.647 | 4.3 | 88.4 |
| 40.0 | | 5.080 | 32.823 | 25.941 | 0.1068 | 6.467 | 3.1 | 88.7 |
| 50.0 | | 4.285 | 32.856 | 26.052 | 0.1263 | 6.452 | 2.8 | 88.8 |
| 60.0 | | 4.201 | 32.900 | 26.096 | 0.1452 | 6.390 | 2.7 | 88.9 |
| 70.0 | | 4.201 | 32.913 | 26.106 | 0.1639 | 6.333 | 2.6 | 89.0 |
| 80.0 | | 4.228 | 32.947 | 26.130 | 0.1824 | 6.297 | 2.6 | 88.8 |
| 90.0 | | 4.627 | 33.035 | 26.158 | 0.2007 | 6.145 | 2.2 | 89.2 |
| 100.0 | | 4.519 | 33.058 | 26.188 | 0.2187 | 6.091 | 2.3 | 88.9 |
| 110.0 | | 4.480 | 33.137 | 26.255 | 0.2363 | 6.111 | 2.4 | 86.7 |
| 120.0 | | 4.455 | 33.141 | 26.261 | 0.2535 | 6.045 | 2.4 | 84.8 |
| 130.0 | | 4.466 | 33.148 | 26.266 | 0.2707 | 6.013 | 2.3 | 85.3 |
| 140.0 | | 4.450 | 33.141 | 26.262 | 0.2879 | 5.990 | 2.8 | 78.2 |
| 141.0 | | 4.449 | 33.141 | 26.262 | 0.2896 | 6.002 | 3.3 | 72.6 |



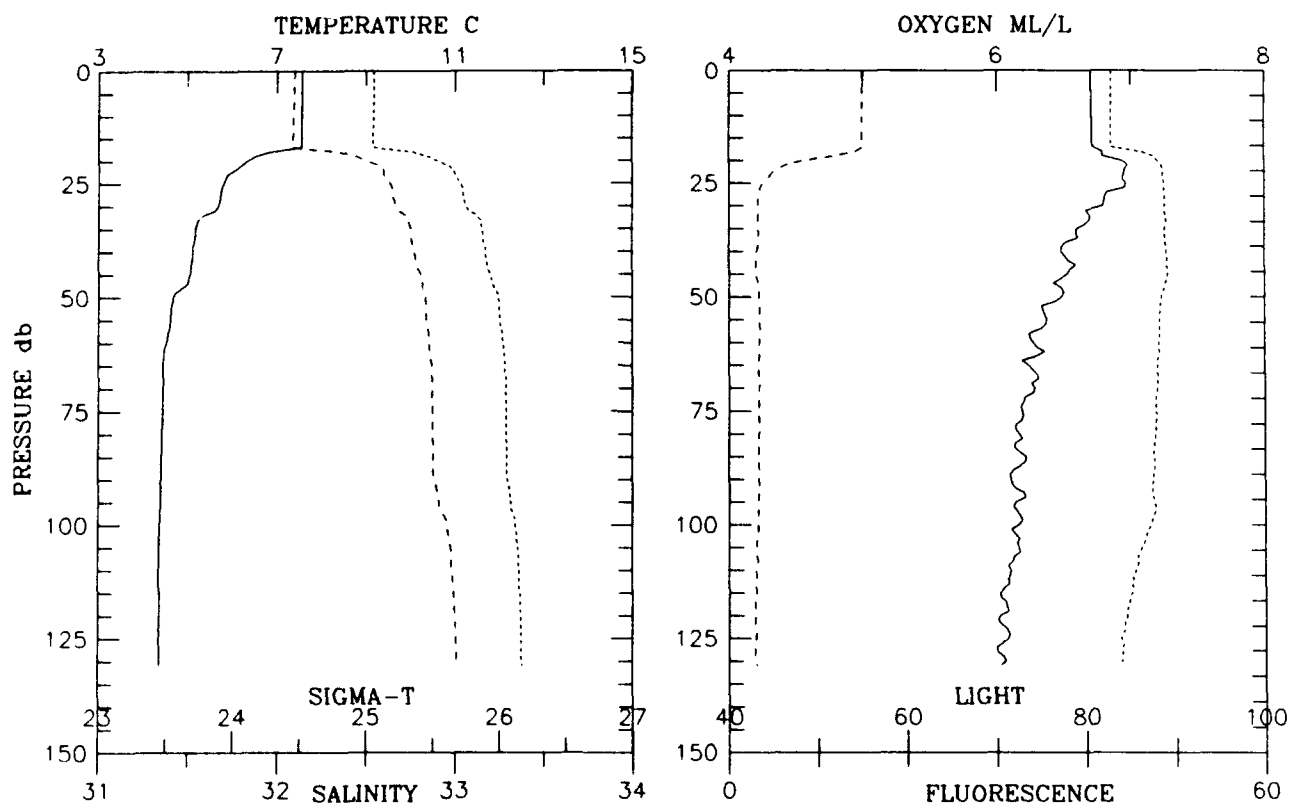
Cruise EN196 Consecutive Station # 76 Depth m:153 Time: 1989-05-25 23:08
 Position: 41° 26.54'N 69° 9.56'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.061 | 31.673 | 24.176 | 0.0000 | 6.089 | 7.9 | 83.9 |
| 10.0 | 9.668 | 31.771 | 24.486 | 0.0361 | 6.338 | 10.2 | 84.0 |
| 20.0 | 6.680 | 32.369 | 25.389 | 0.0639 | 6.960 | 5.6 | 87.7 |
| 30.0 | 6.206 | 32.591 | 25.625 | 0.0883 | 6.824 | 4.3 | 87.8 |
| 40.0 | 5.566 | 32.789 | 25.858 | 0.1104 | 6.593 | 3.4 | 88.6 |
| 50.0 | 5.138 | 32.871 | 25.972 | 0.1308 | 6.406 | 3.3 | 88.6 |
| 60.0 | 4.871 | 32.908 | 26.032 | 0.1504 | 6.301 | 2.8 | 89.0 |
| 70.0 | 4.664 | 32.957 | 26.093 | 0.1694 | 6.258 | 2.7 | 88.9 |
| 80.0 | 4.497 | 32.996 | 26.142 | 0.1879 | 6.194 | 2.5 | 88.9 |
| 90.0 | 4.336 | 33.004 | 26.165 | 0.2061 | 6.160 | 2.5 | 88.0 |
| 100.0 | 4.389 | 33.049 | 26.195 | 0.2240 | 6.112 | 2.2 | 87.7 |
| 110.0 | 4.425 | 33.110 | 26.240 | 0.2417 | 6.069 | 2.7 | 88.3 |
| 120.0 | 4.469 | 33.176 | 26.287 | 0.2587 | 6.030 | 2.4 | 86.4 |
| 130.0 | 4.473 | 33.182 | 26.292 | 0.2757 | 5.955 | 2.4 | 84.9 |
| 140.0 | 4.475 | 33.184 | 26.293 | 0.2926 | 5.972 | 2.4 | 83.9 |
| 150.0 | 4.476 | 33.184 | 26.293 | 0.3095 | 5.975 | 2.6 | 83.4 |



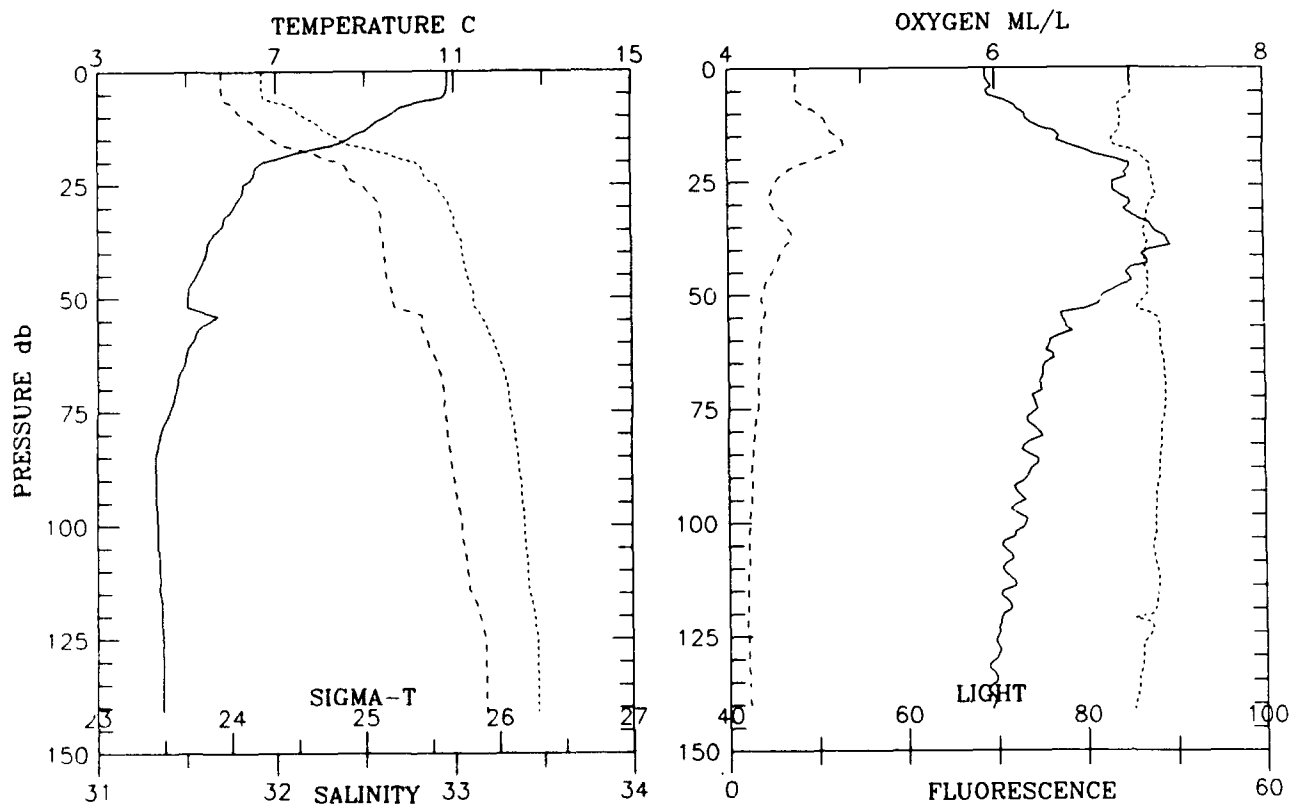
Cruise EN196 Consecutive Station # 77 Depth m:138 Time: 1989-05-26 00:25
 Position: 41° 24.22'N 69° 14.29'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 7.552 | 32.097 | 25.058 | 0.0000 | 6.703 | 15.0 | 82.8 |
| 10.0 | E 7.551 | 32.093 | 25.055 | 0.0286 | 6.711 | 15.0 | 82.8 |
| 20.0 | 6.357 | 32.504 | 25.536 | 0.0563 | 6.940 | 8.5 | 88.0 |
| 30.0 | 5.673 | 32.669 | 25.751 | 0.0789 | 6.794 | 3.2 | 88.8 |
| 40.0 | 5.108 | 32.772 | 25.897 | 0.0999 | 6.480 | 3.1 | 89.0 |
| 50.0 | 4.672 | 32.834 | 25.994 | 0.1202 | 6.487 | 3.3 | 88.4 |
| 60.0 | 4.522 | 32.854 | 26.026 | 0.1397 | 6.275 | 3.4 | 88.1 |
| 70.0 | 4.450 | 32.871 | 26.047 | 0.1589 | 6.281 | 3.3 | 87.9 |
| 80.0 | 4.431 | 32.876 | 26.053 | 0.1781 | 6.166 | 3.3 | 87.7 |
| 90.0 | 4.414 | 32.887 | 26.064 | 0.1972 | 6.108 | 3.3 | 87.5 |
| 100.0 | 4.376 | 32.952 | 26.119 | 0.2160 | 6.162 | 3.2 | 87.2 |
| 110.0 | 4.363 | 32.985 | 26.147 | 0.2344 | 6.102 | 3.0 | 85.5 |
| 120.0 | 4.365 | 33.000 | 26.158 | 0.2526 | 6.022 | 3.0 | 84.5 |
| 130.0 | 4.364 | 33.009 | 26.166 | 0.2707 | 6.065 | 2.9 | 83.9 |
| 131.0 | 4.364 | 33.009 | 26.166 | 0.2725 | 6.026 | 3.1 | 84.0 |



Cruise EN196 Consecutive Station # 78 Depth m:153 Time: 1989-05-26 02:33
 Position: 41° 26.44'N 69° 9.68'W Depth Deck Offset: -0.10 Fish 1

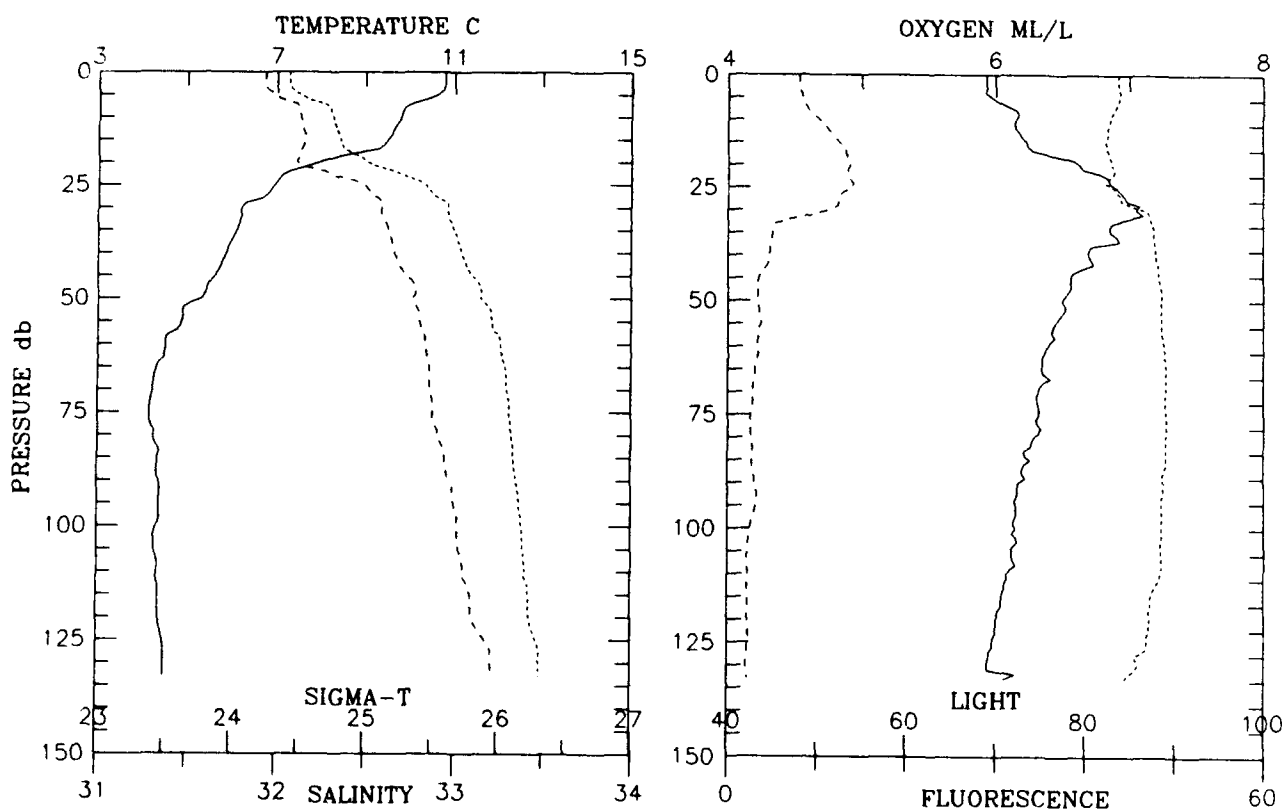
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.859 | 31.696 | 24.229 | 0.0000 | 5.930 | 7.7 |
| 10.0 | | 9.510 | 31.820 | 24.550 | 0.0357 | 6.224 | 10.3 |
| 20.0 | | 6.729 | 32.358 | 25.374 | 0.0660 | 6.899 | 9.8 |
| 30.0 | | 6.060 | 32.577 | 25.631 | 0.0903 | 7.005 | 4.9 |
| 40.0 | | 5.428 | 32.604 | 25.728 | 0.1129 | 7.135 | 6.0 |
| 50.0 | | .030 | 32.655 | 25.813 | 0.1347 | 6.798 | 3.8 |
| 60.0 | | 5.095 | 32.853 | 25.963 | 0.1554 | 6.397 | 3.5 |
| 70.0 | | 4.757 | 32.937 | 26.067 | 0.1749 | 6.325 | 3.2 |
| 80.0 | | 4.410 | 32.962 | 26.124 | 0.1936 | 6.315 | 2.9 |
| 90.0 | | 4.305 | 32.997 | 26.162 | 0.2119 | 6.221 | 2.6 |
| 100.0 | | 4.346 | 33.041 | 26.193 | 0.2298 | 6.212 | 2.3 |
| 110.0 | | 4.390 | 33.071 | 26.212 | 0.2476 | 6.034 | 2.2 |
| 120.0 | | 4.437 | 33.144 | 26.265 | 0.2650 | 6.047 | 2.1 |
| 130.0 | | 4.465 | 33.174 | 26.286 | 0.2820 | 5.988 | 2.1 |
| 140.0 | | 4.470 | 33.178 | 26.289 | 0.2990 | 5.967 | 2.4 |
| 141.0 | | 4.469 | 33.178 | 26.289 | 0.3007 | 5.957 | 2.4 |



Cruise EN196 Consecutive Station # 79 Depth m:145 Time: 1989-05-26 06:13
 Position: 41° 28.73'N 69° 5.21'W Depth Deck Offset: -0.10 Fish 1

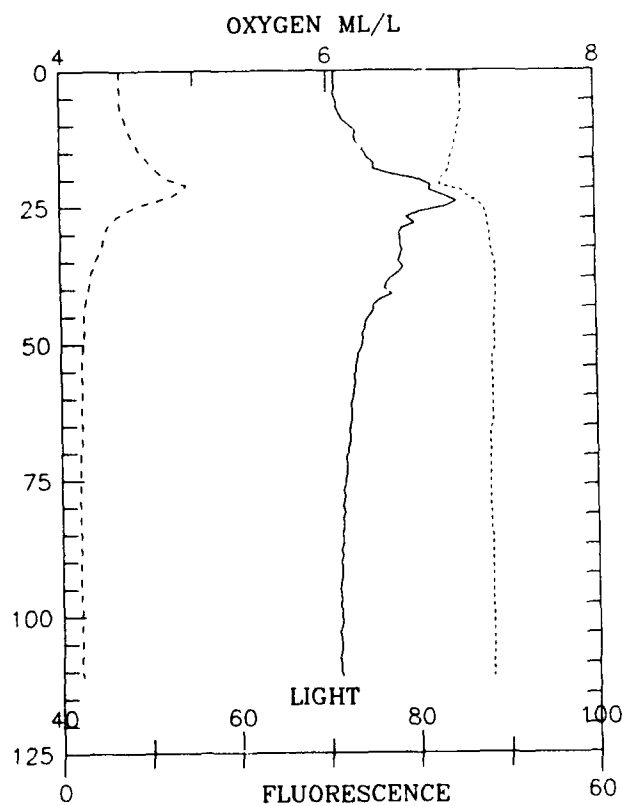
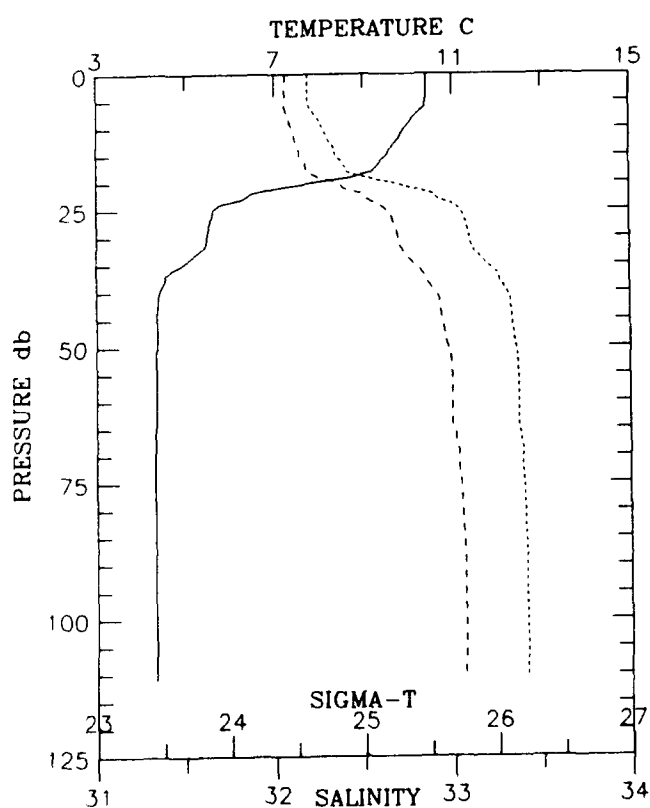
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 10.780 | 31.935 | 24.429 | 0.0000 | 5.931 | 8.0 |
| 10.0 | | 9.787 | 32.134 | 24.750 | 0.0334 | 6.152 | 10.2 |
| 20.0 | | 7.969 | 32.108 | 25.008 | 0.0642 | 6.626 | 13.7 |
| 30.0 | | 6.224 | 32.590 | 25.621 | 0.0896 | 7.054 | 11.4 |
| 40.0 | | 5.889 | 32.662 | 25.719 | 0.1124 | 6.695 | 4.6 |
| 50.0 | | 5.332 | 32.764 | 25.865 | 0.1339 | 6.494 | 3.3 |
| 60.0 | | 4.509 | 32.841 | 26.017 | 0.1539 | 6.390 | 3.4 |
| 70.0 | | 4.235 | 32.868 | 26.067 | 0.1731 | 6.321 | 2.8 |
| 80.0 | | 4.257 | 32.910 | 26.098 | 0.1919 | 6.280 | 2.6 |
| 90.0 | | 4.377 | 32.978 | 26.140 | 0.2105 | 6.172 | 3.0 |
| 100.0 | | 4.333 | 33.022 | 26.179 | 0.2286 | 6.152 | 2.5 |
| 110.0 | | 4.342 | 33.053 | 26.203 | 0.2464 | 6.083 | 2.2 |
| 120.0 | | 4.396 | 33.107 | 26.240 | 0.2639 | 6.002 | 2.2 |
| 130.0 | | 4.516 | 33.213 | 26.312 | 0.2809 | 5.938 | 2.1 |
| 133.0 | | 4.517 | 33.215 | 26.313 | 0.2859 | 6.065 | 2.3 |



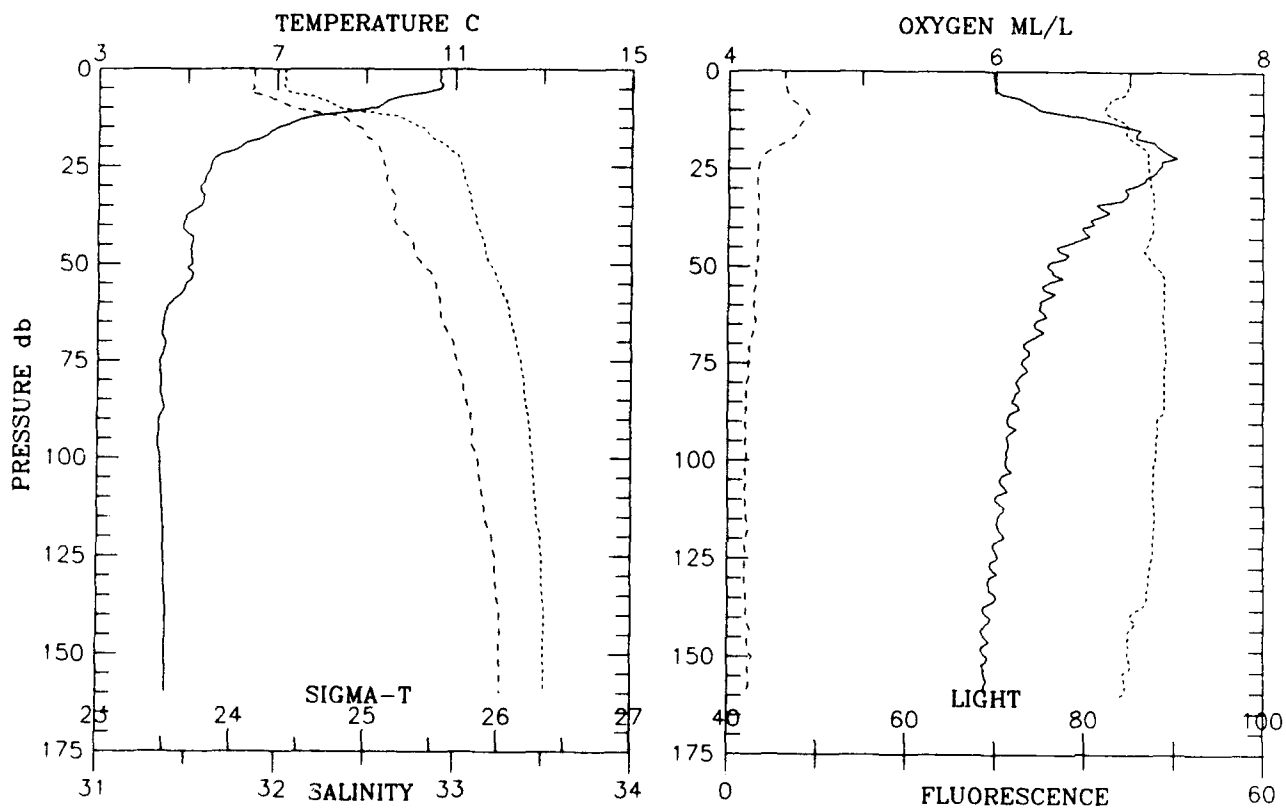
Cruise EN196 Consecutive Station # 80 Depth m:116 Time: 1989-05-26 08:29
 Position: 41° 36.00'N 68° 56.25'W Depth Deck Offset: -0.40 Fish 1

| PRESSURE | Interp | TEMP | SALINITY | SIGMA-T | DELTA-D | OXYGEN | CHANNELA | CHANNELB |
|----------|--------|---------|----------|---------|---------|--------|----------|----------|
| (d-bars) | | (deg C) | (0/00) | | | (ml/l) | (%fluor) | (%light) |
| 0.0 | E | 10.425 | 32.061 | 24.587 | 0.0000 | 6.060 | 6.8 | 85.1 |
| 10.0 | | 9.933 | 32.098 | 24.698 | 0.0329 | 6.165 | 7.5 | 84.7 |
| 20.0 | | 7.878 | 32.362 | 25.220 | 0.0636 | 6.679 | 12.2 | 82.7 |
| 30.0 | | 5.478 | 32.692 | 25.792 | 0.0867 | 6.536 | 5.0 | 88.1 |
| 40.0 | | 4.413 | 32.902 | 26.075 | 0.1069 | 6.424 | 3.1 | 88.7 |
| 50.0 | | 4.349 | 32.971 | 26.137 | 0.1255 | 6.248 | 2.4 | 88.5 |
| 60.0 | | 4.335 | 32.993 | 26.156 | 0.1436 | 6.175 | 2.3 | 88.3 |
| 70.0 | | 4.312 | 33.031 | 26.188 | 0.1616 | 6.137 | 2.1 | 88.0 |
| 80.0 | | 4.313 | 33.049 | 26.202 | 0.1794 | 6.093 | 2.0 | 88.0 |
| 90.0 | | 4.319 | 33.063 | 26.213 | 0.1970 | 6.080 | 2.0 | 88.1 |
| 100.0 | | 4.320 | 33.063 | 26.213 | 0.2147 | 6.075 | 2.0 | 88.1 |
| 110.0 | | 4.321 | 33.064 | 26.214 | 0.2323 | 6.069 | 2.1 | 88.2 |
| 111.0 | | 4.321 | 33.064 | 26.214 | 0.2341 | 6.081 | 2.2 | 88.1 |



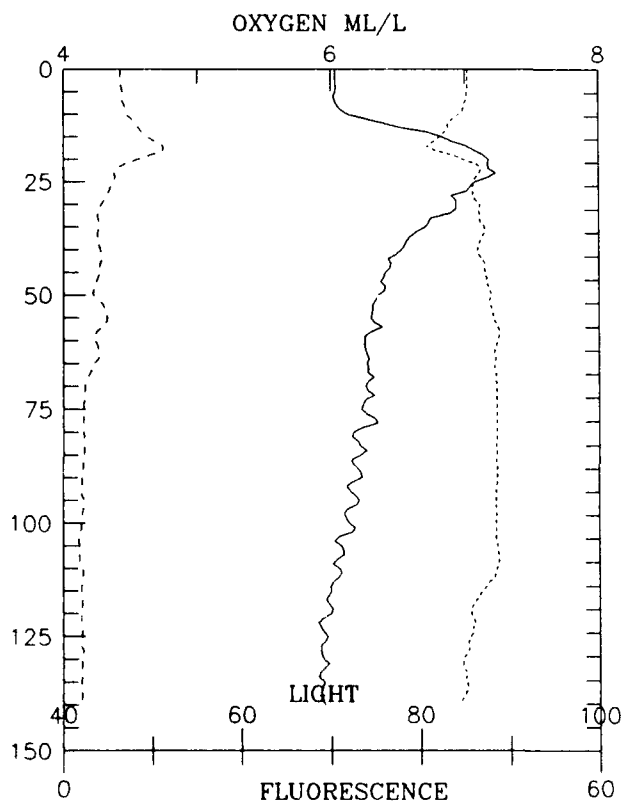
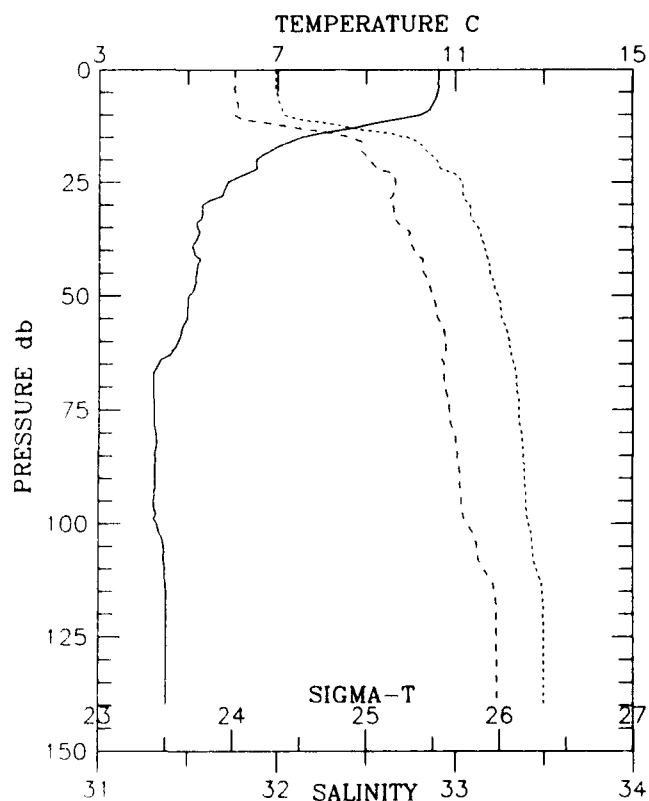
Cruise EN196 Consecutive Station # 81 Depth m:165 Time: 1989-05-26 10:33
 Position: 41° 33.26'W 69° 6.60'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.677 | 31.869 | 24.395 | 0.0000 | 5.987 | 6.3 |
| 10.0 | | 9.236 | 32.085 | 24.800 | 0.0339 | 6.332 | 8.7 |
| 20.0 | | 6.198 | 32.571 | 25.609 | 0.0598 | 7.240 | 5.0 |
| 30.0 | | 5.308 | 32.631 | 25.763 | 0.0822 | 6.968 | 3.2 |
| 40.0 | | 4.904 | 32.678 | 25.845 | 0.1037 | 6.649 | 3.3 |
| 50.0 | | 5.111 | 32.818 | 25.934 | 0.1243 | 6.390 | 3.2 |
| 60.0 | | 4.631 | 32.918 | 26.065 | 0.1439 | 6.337 | 2.8 |
| 70.0 | | 4.535 | 32.997 | 26.138 | 0.1626 | 6.216 | 2.5 |
| 80.0 | | 4.429 | 33.049 | 26.190 | 0.1806 | 6.152 | 2.1 |
| 90.0 | | 4.398 | 33.099 | 26.233 | 0.1983 | 6.091 | 2.0 |
| 100.0 | | 4.409 | 33.136 | 26.262 | 0.2156 | 6.080 | 2.1 |
| 110.0 | | 4.453 | 33.168 | 26.282 | 0.2327 | 5.994 | 1.9 |
| 120.0 | | 4.488 | 33.215 | 26.316 | 0.2496 | 6.065 | 2.0 |
| 130.0 | | 4.514 | 33.240 | 26.333 | 0.2662 | 5.959 | 1.9 |
| 140.0 | | 4.541 | 33.260 | 26.346 | 0.2826 | 5.962 | 2.1 |
| 150.0 | | 4.543 | 33.262 | 26.348 | 0.2990 | 5.948 | 2.8 |
| 160.0 | | 4.546 | 33.264 | 26.349 | 0.3155 | 5.923 | 2.2 |



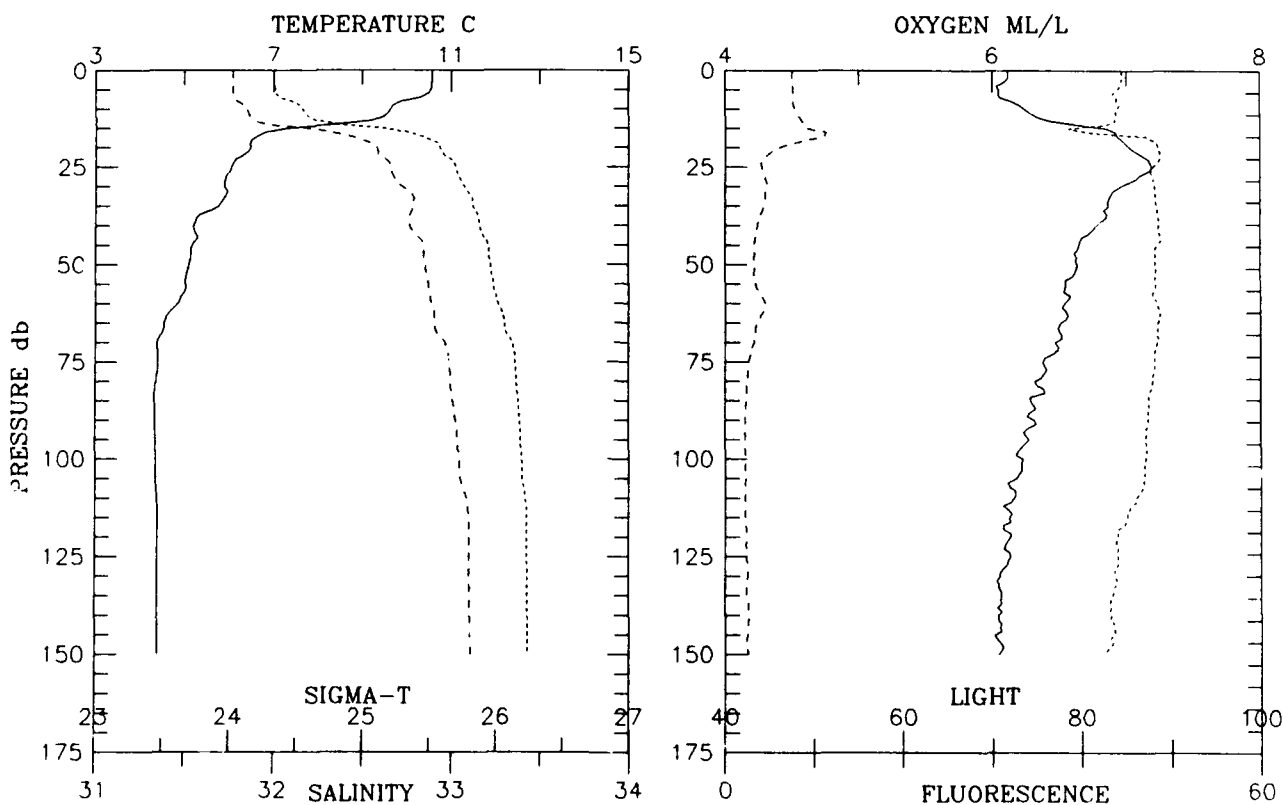
Cruise EN196 Consecutive Station # 82 Depth m:144 Time: 1989-05-26 11:31
 Position: 41° 28.72'N 69° 5.27'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.621 | 31.761 | 24.320 | 0.0000 | 6.034 | 6.4 | 85.3 |
| 10.0 | 10.219 | 31.756 | 24.384 | 0.0355 | 6.130 | 7.1 | 84.3 |
| 20.0 | 6.521 | 32.522 | 25.530 | 0.0634 | 7.175 | 8.3 | 84.8 |
| 30.0 | 5.321 | 32.648 | 25.775 | 0.0862 | 6.933 | 4.2 | 86.7 |
| 40.0 | 5.119 | 32.768 | 25.893 | 0.1074 | 6.523 | 4.1 | 86.4 |
| 50.0 | 5.011 | 32.873 | 25.988 | 0.1276 | 6.351 | 3.3 | 88.0 |
| 60.0 | 4.780 | 32.947 | 26.072 | 0.1470 | 6.255 | 3.6 | 88.6 |
| 70.0 | 4.221 | 32.942 | 26.127 | 0.1656 | 6.257 | 2.4 | 88.5 |
| 80.0 | 4.278 | 32.996 | 26.165 | 0.1839 | 6.164 | 2.2 | 88.5 |
| 90.0 | 4.265 | 33.027 | 26.190 | 0.2018 | 6.227 | 2.1 | 88.6 |
| 100.0 | 4.310 | 33.067 | 26.218 | 0.2196 | 6.133 | 2.0 | 88.4 |
| 110.0 | 4.480 | 33.161 | 26.274 | 0.2369 | 6.060 | 2.1 | 88.5 |
| 120.0 | 4.514 | 33.230 | 26.325 | 0.2536 | 6.003 | 2.0 | 85.6 |
| 130.0 | 4.517 | 33.233 | 26.327 | 0.2702 | 5.942 | 2.1 | 84.7 |
| 140.0 | 4.516 | 33.233 | 26.327 | 0.2868 | 5.952 | 2.1 | 84.4 |



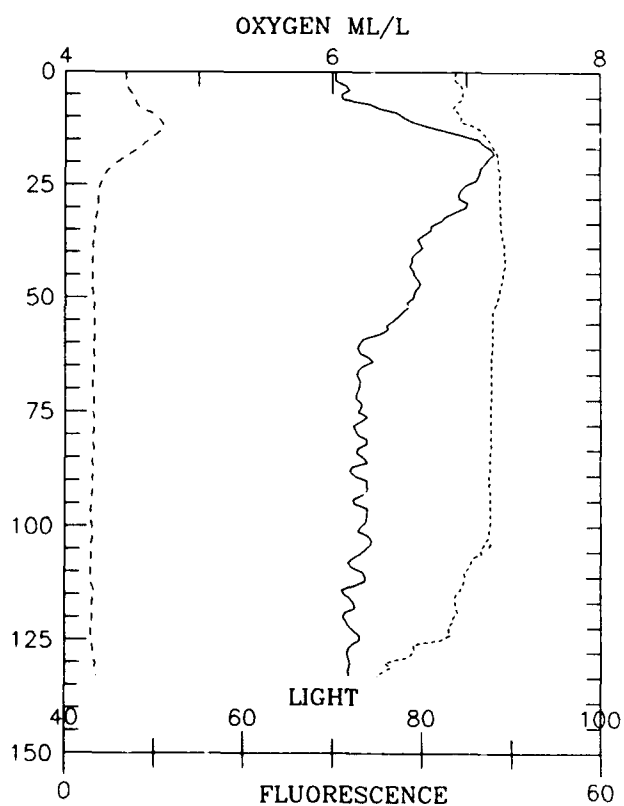
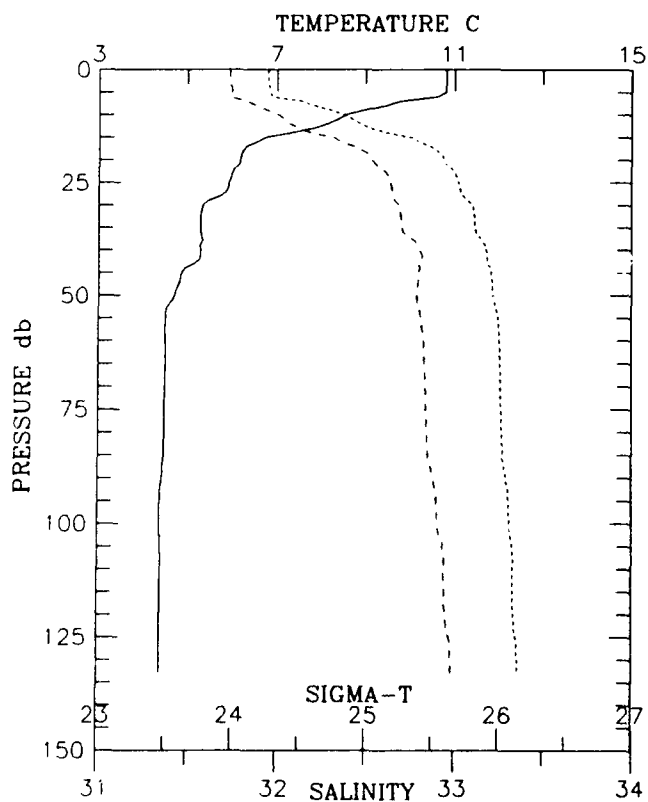
Cruise EN196 Consecutive Station # 83 Depth m:152 Time: 1989-05-26 13:36
 Position: 41° 26.49'N 69° 9.62'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.573 | 31.772 | 24.337 | 0.0000 | 6.116 | 7.5 | 84.5 |
| 10.0 | 9.633 | 31.852 | 24.555 | 0.0350 | 6.243 | 7.9 | 84.0 |
| 20.0 | 6.485 | 32.580 | 25.581 | 0.0635 | 7.023 | 6.0 | 88.5 |
| 30.0 | 5.884 | 32.720 | 25.766 | 0.0861 | 6.954 | 4.5 | 88.1 |
| 40.0 | 5.199 | 32.764 | 25.881 | 0.1073 | 6.771 | 3.6 | 88.6 |
| 50.0 | 5.101 | 32.854 | 25.963 | 0.1276 | 6.637 | 3.3 | 88.2 |
| 60.0 | 4.845 | 32.887 | 26.017 | 0.1473 | 6.536 | 4.5 | 88.4 |
| 70.0 | 4.388 | 32.966 | 26.129 | 0.1663 | 6.467 | 3.2 | 88.4 |
| 80.0 | 4.371 | 32.994 | 26.153 | 0.1846 | 6.314 | 2.4 | 87.9 |
| 90.0 | 4.343 | 33.025 | 26.181 | 0.2026 | 6.312 | 2.2 | 87.4 |
| 100.0 | 4.352 | 33.043 | 26.194 | 0.2205 | 6.223 | 2.2 | 87.1 |
| 110.0 | 4.384 | 33.084 | 26.223 | 0.2382 | 6.155 | 2.2 | 86.0 |
| 120.0 | 4.398 | 33.099 | 26.233 | 0.2557 | 6.131 | 2.4 | 84.0 |
| 130.0 | 4.399 | 33.101 | 26.235 | 0.2731 | 6.057 | 2.5 | 83.7 |
| 140.0 | 4.402 | 33.103 | 26.236 | 0.2906 | 6.040 | 2.6 | 83.2 |
| 150.0 | 4.404 | 33.105 | 26.237 | 0.3080 | 6.038 | 2.6 | 82.5 |



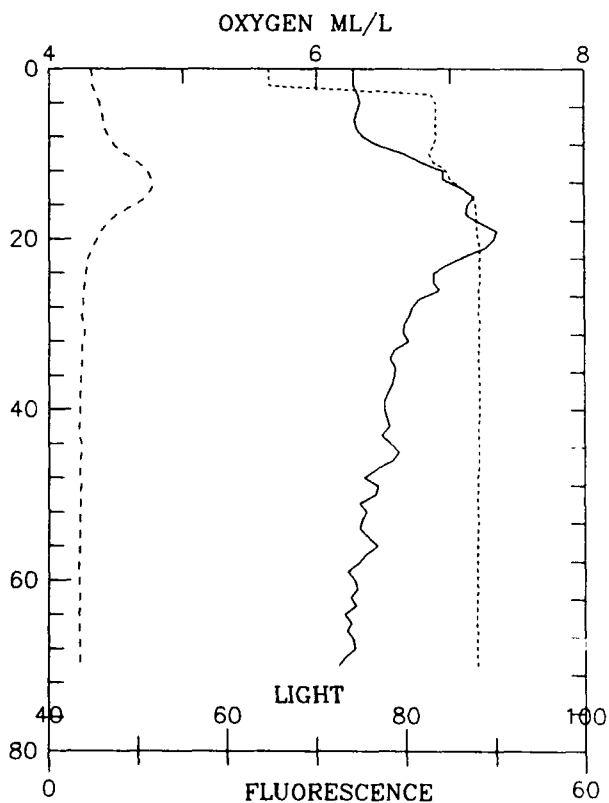
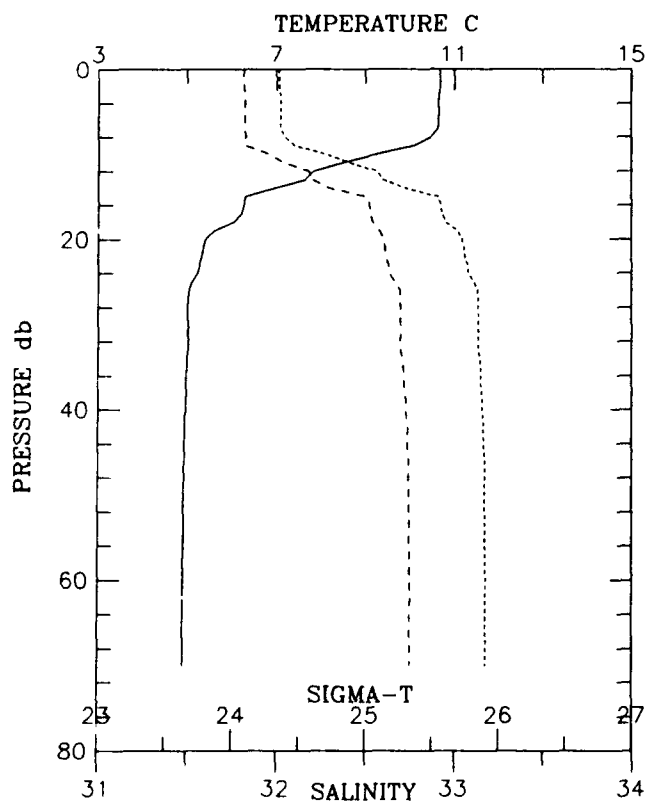
Cruise EN196 Consecutive Station # 84 Depth m:136 Time: 1989-05-26 15:34
 Position: 41° 24.24'N 69° 14.33'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.815 | 31.736 | 24.268 | 0.0000 | 6.027 | 6.8 | 83.8 |
| 10.0 | 8.563 | 32.005 | 24.840 | 0.0348 | 6.530 | 10.3 | 84.4 |
| 20.0 | 6.173 | 32.534 | 25.583 | 0.0615 | 7.140 | 5.8 | 88.5 |
| 30.0 | 5.337 | 32.686 | 25.803 | 0.0841 | 6.990 | 3.7 | 88.8 |
| 40.0 | 5.281 | 32.805 | 25.903 | 0.1052 | 6.629 | 3.0 | 89.2 |
| 50.0 | 4.708 | 32.786 | 25.953 | 0.1255 | 6.600 | 3.1 | 88.5 |
| 60.0 | 4.507 | 32.826 | 26.005 | 0.1452 | 6.207 | 3.2 | 87.9 |
| 70.0 | 4.503 | 32.834 | 26.012 | 0.1647 | 6.196 | 3.1 | 87.8 |
| 80.0 | 4.479 | 32.844 | 26.022 | 0.1842 | 6.190 | 3.1 | 87.7 |
| 90.0 | 4.443 | 32.881 | 26.055 | 0.2035 | 6.260 | 3.1 | 87.6 |
| 100.0 | 4.380 | 32.905 | 26.081 | 0.2224 | 6.212 | 3.0 | 87.5 |
| 110.0 | 4.411 | 32.944 | 26.109 | 0.2412 | 6.223 | 2.9 | 84.7 |
| 120.0 | 4.407 | 32.950 | 26.114 | 0.2598 | 6.077 | 3.0 | 83.5 |
| 130.0 | 4.391 | 32.983 | 26.142 | 0.2782 | 6.128 | 3.4 | 75.8 |
| 133.0 | 4.391 | 32.983 | 26.142 | 0.2837 | 6.120 | 3.5 | 74.9 |



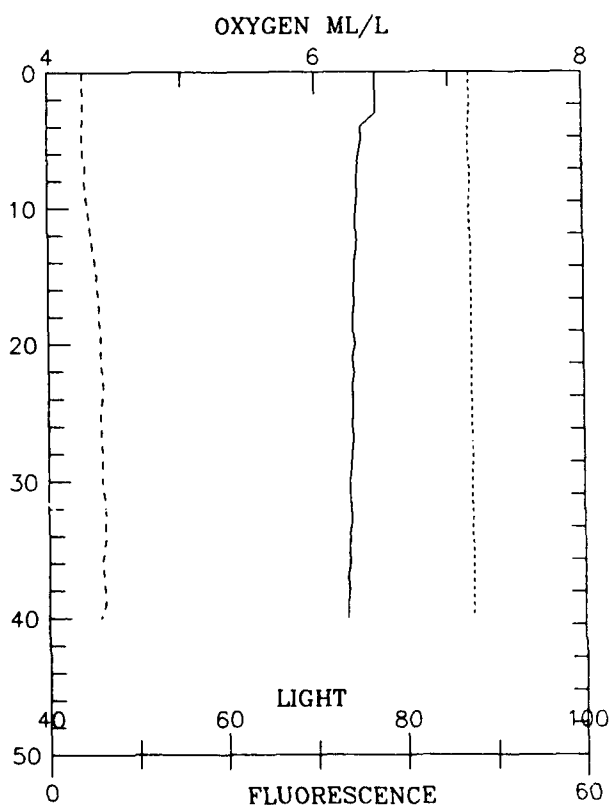
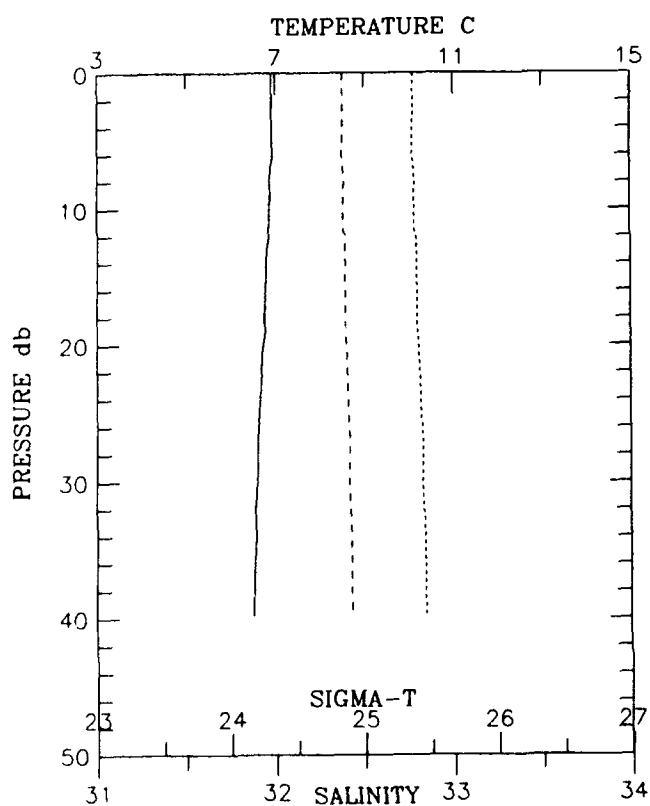
Cruise EN196 Consecutive Station # 85 Depth m:73 Time: 1989-05-26 17:47
 Position: 41° 23.67'N 69° 19.75'W Depth Deck Offset: -0.20 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.682 | 31.818 | 24.354 | 0.0000 | 6.277 | 4.8 | 64.7 |
| 5.0 | 10.652 | 31.823 | 24.363 | 0.0176 | 6.306 | 5.9 | 83.4 |
| 10.0 | 9.288 | 31.959 | 24.693 | 0.0350 | 6.646 | 8.4 | 82.6 |
| 15.0 | 6.301 | 32.510 | 25.548 | 0.0491 | 7.175 | 11.0 | 87.5 |
| 20.0 | 5.405 | 32.602 | 25.729 | 0.0607 | 7.327 | 5.4 | 88.1 |
| 25.0 | 5.100 | 32.665 | 25.813 | 0.0717 | 6.876 | 4.0 | 88.3 |
| 30.0 | 5.021 | 32.700 | 25.850 | 0.0822 | 6.650 | 3.9 | 88.3 |
| 35.0 | 4.993 | 32.715 | 25.865 | 0.0927 | 6.589 | 3.7 | 88.2 |
| 40.0 | 4.968 | 32.728 | 25.878 | 0.1031 | 6.508 | 3.5 | 88.2 |
| 45.0 | 4.936 | 32.742 | 25.892 | 0.1135 | 6.611 | 3.6 | 88.1 |
| 50.0 | 4.925 | 32.747 | 25.898 | 0.1238 | 6.440 | 3.5 | 88.0 |
| 55.0 | 4.924 | 32.748 | 25.898 | 0.1341 | 6.383 | 3.5 | 88.0 |
| 60.0 | 4.915 | 32.752 | 25.903 | 0.1443 | 6.280 | 3.4 | 87.9 |
| 65.0 | 4.914 | 32.752 | 25.903 | 0.1546 | 6.258 | 3.5 | 87.9 |
| 70.0 | 4.915 | 32.752 | 25.903 | 0.1649 | 6.161 | 3.5 | 88.0 |



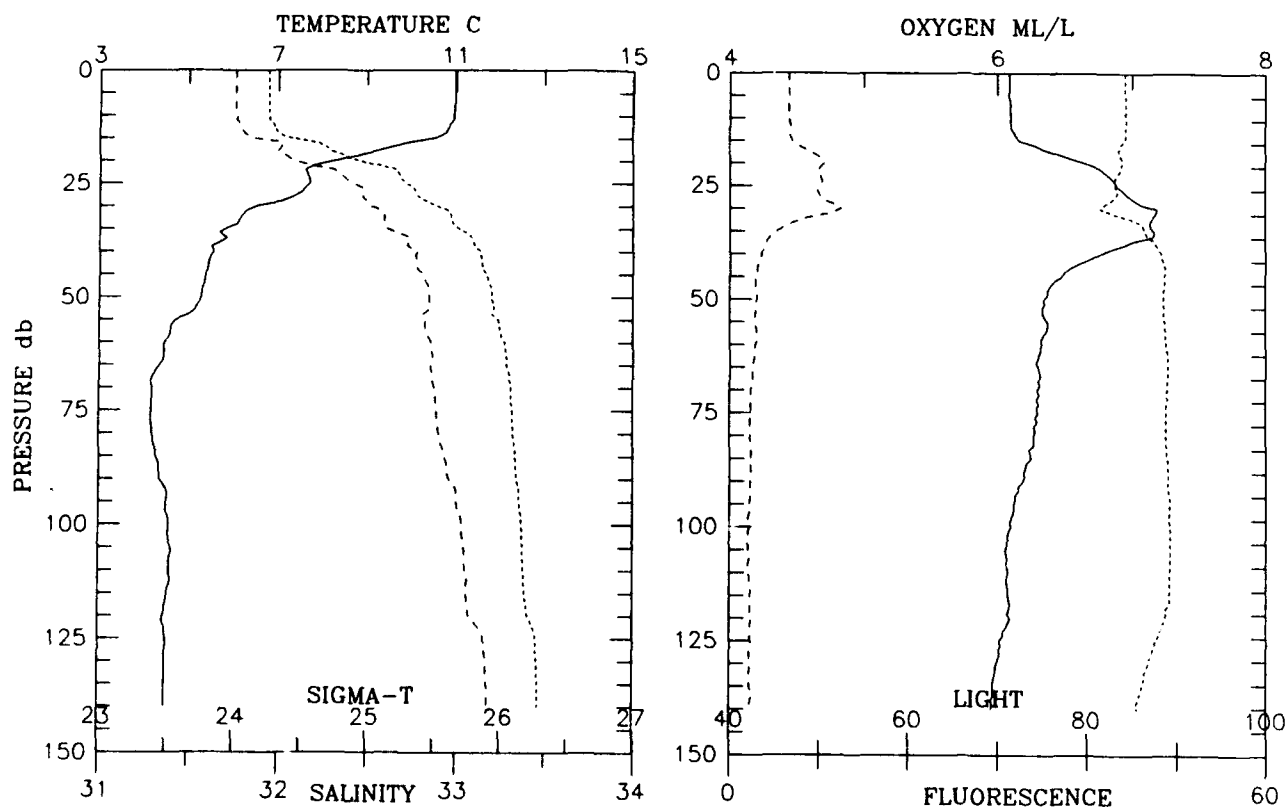
Cruise EN196 Consecutive Station # 86 Depth m:40 Time: 1989-05-26 18:59
 Position: 41° 23.26'N 69° 24.94'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 6.918 | 32.381 | 25.367 | 0.0000 | 6.456 | 4.0 | 87.3 |
| 5.0 | | 6.932 | 32.379 | 25.364 | 0.0128 | 6.351 | 3.9 | 87.2 |
| 10.0 | | 6.869 | 32.384 | 25.376 | 0.0256 | 6.306 | 4.5 | 87.2 |
| 15.0 | | 6.784 | 32.391 | 25.393 | 0.0384 | 6.286 | 5.4 | 87.3 |
| 20.0 | | 6.721 | 32.398 | 25.406 | 0.0510 | 6.292 | 5.9 | 87.4 |
| 25.0 | | 6.645 | 32.410 | 25.425 | 0.0636 | 6.271 | 5.9 | 87.4 |
| 30.0 | | 6.594 | 32.416 | 25.437 | 0.0761 | 6.250 | 6.0 | 87.4 |
| 35.0 | | 6.537 | 32.425 | 25.452 | 0.0886 | 6.239 | 6.1 | 87.5 |
| 40.0 | | 6.506 | 32.429 | 25.459 | 0.1010 | 6.231 | 5.8 | 87.5 |



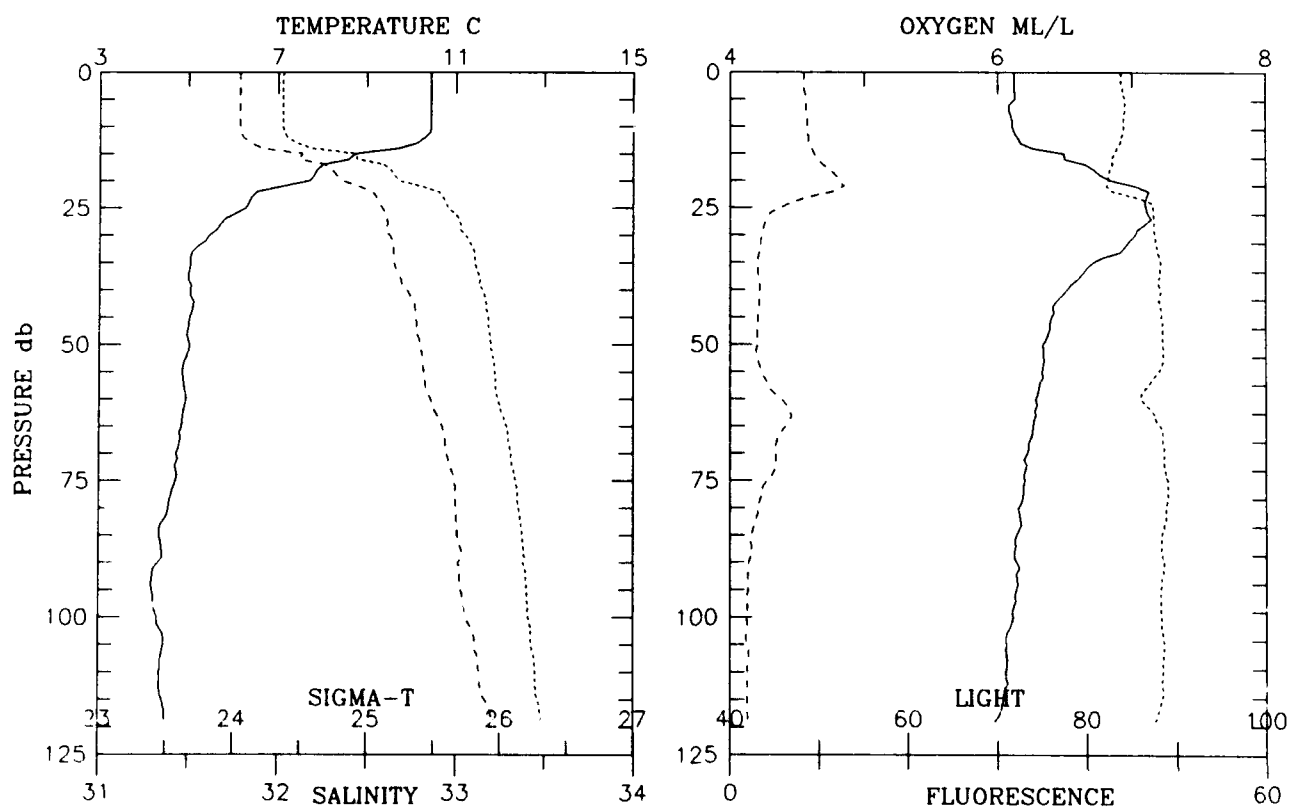
Cruise EN196 Consecutive Station # 87 Depth m:145 Time: 1989-05-26 22:13
 Position: 41° 28.59'N 69° 5.07'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.978 | 31.763 | 24.260 | 0.0000 | 6.086 | 6.6 | 84.2 |
| 10.0 | | 10.950 | 31.768 | 24.269 | 0.0362 | 6.098 | 6.7 | 84.4 |
| 20.0 | | 8.321 | 32.080 | 24.935 | 0.0700 | 6.659 | 10.6 | 83.9 |
| 30.0 | | 6.535 | 32.515 | 25.523 | 0.0965 | 7.188 | 12.5 | 81.5 |
| 40.0 | | 5.566 | 32.783 | 25.853 | 0.1189 | 6.755 | 3.5 | 88.3 |
| 50.0 | | 5.293 | 32.852 | 25.940 | 0.1396 | 6.347 | 3.0 | 88.6 |
| 60.0 | | 4.470 | 32.862 | 26.038 | 0.1594 | 6.333 | 2.9 | 88.9 |
| 70.0 | | 4.192 | 32.883 | 26.083 | 0.1785 | 6.297 | 2.4 | 89.0 |
| 80.0 | | 4.200 | 32.907 | 26.101 | 0.1972 | 6.271 | 2.3 | 88.9 |
| 90.0 | | 4.356 | 32.960 | 26.128 | 0.2157 | 6.190 | 2.3 | 89.1 |
| 100.0 | | 4.580 | 33.037 | 26.165 | 0.2340 | 6.096 | 2.2 | 89.3 |
| 110.0 | | 4.594 | 33.058 | 26.180 | 0.2520 | 6.078 | 2.1 | 89.2 |
| 120.0 | | 4.453 | 33.076 | 26.210 | 0.2698 | 6.091 | 2.4 | 88.7 |
| 130.0 | | 4.501 | 33.173 | 26.282 | 0.2870 | 5.992 | 2.3 | 86.8 |
| 140.0 | | 4.496 | 33.185 | 26.292 | 0.3040 | 5.954 | 2.4 | 85.6 |



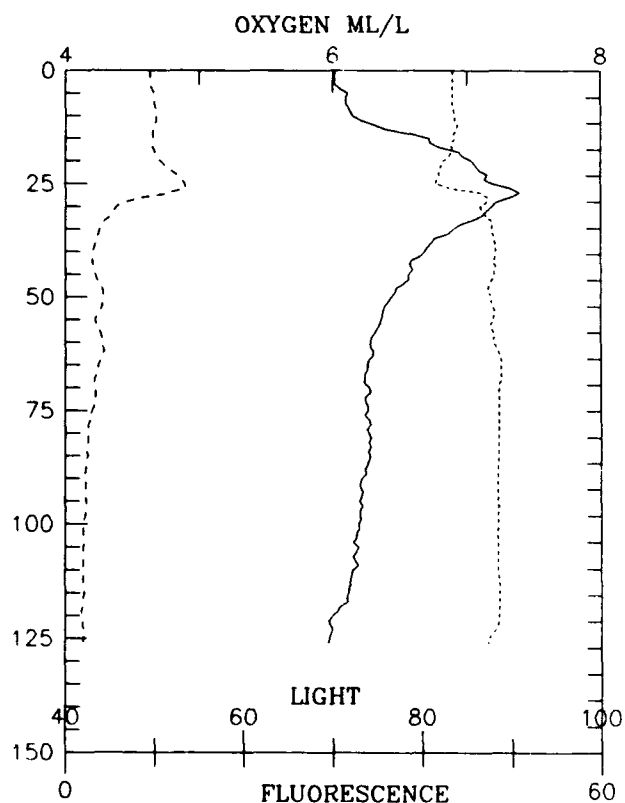
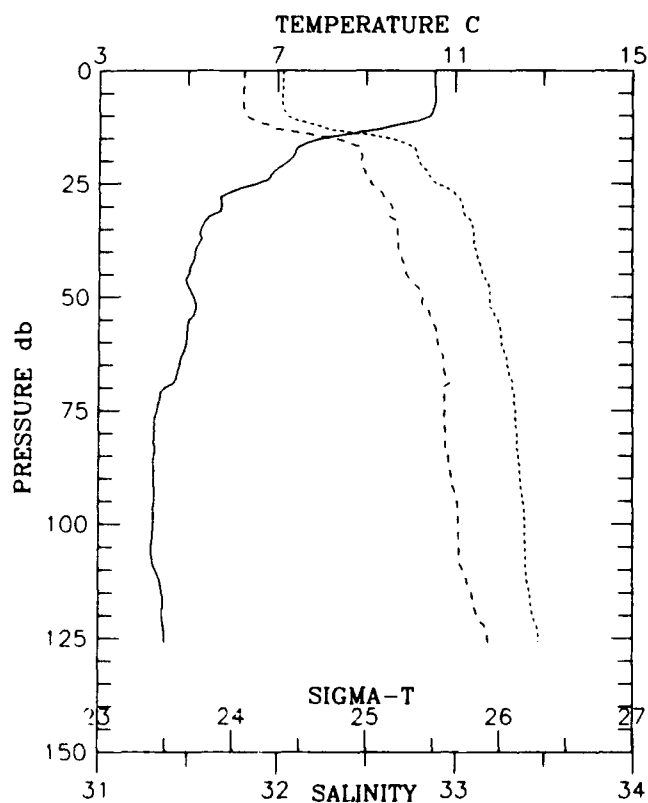
Cruise EN196 Consecutive Station # 88 Depth m:143 Time: 1989-05-27 01:06
 Position: 41° 28.71'N 69° 5.32'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.443 | 31.787 | 24.371 | 0.0000 | 6.121 | 8.3 | 83.8 |
| 10.0 | 10.442 | 31.785 | 24.370 | 0.0352 | 6.108 | 8.6 | 84.1 |
| 20.0 | 7.715 | 32.363 | 25.244 | 0.0663 | 6.851 | 12.2 | 82.4 |
| 30.0 | 5.466 | 32.626 | 25.741 | 0.0897 | 7.024 | 3.6 | 87.6 |
| 40.0 | 5.045 | 32.724 | 25.866 | 0.1111 | 6.517 | 3.3 | 88.2 |
| 50.0 | 5.029 | 32.803 | 25.930 | 0.1316 | 6.338 | 3.0 | 88.4 |
| 60.0 | 4.953 | 32.858 | 25.983 | 0.1517 | 6.284 | 5.7 | 86.0 |
| 70.0 | 4.742 | 32.951 | 26.080 | 0.1709 | 6.220 | 5.1 | 88.6 |
| 80.0 | 4.563 | 33.001 | 26.138 | 0.1895 | 6.153 | 3.1 | 88.8 |
| 90.0 | 4.343 | 33.014 | 26.172 | 0.2076 | 6.139 | 2.1 | 88.6 |
| 100.0 | 4.315 | 33.061 | 26.212 | 0.2253 | 6.112 | 1.8 | 88.3 |
| 110.0 | 4.371 | 33.134 | 26.264 | 0.2427 | 6.060 | 1.9 | 88.4 |
| 119.0 | 4.494 | 33.203 | 26.306 | 0.2580 | 5.974 | 2.0 | 87.5 |



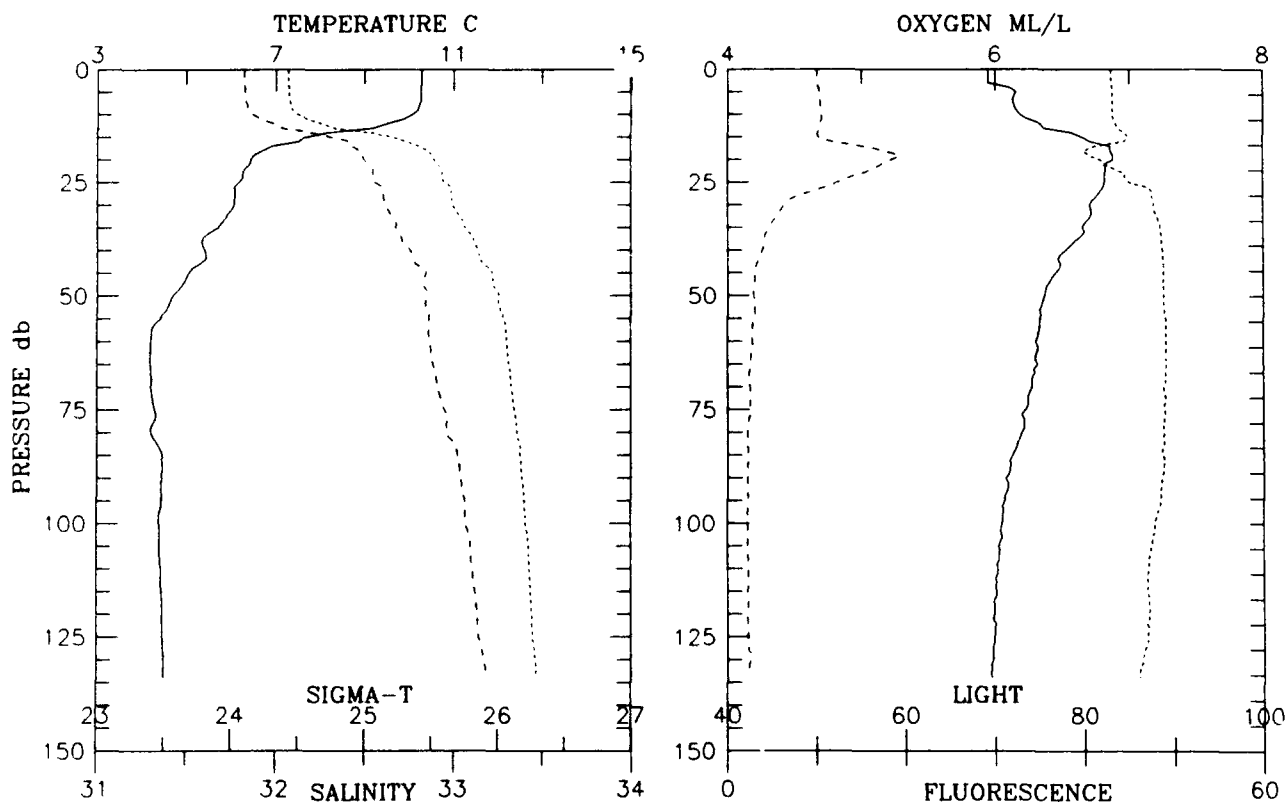
Cruise EN196 Consecutive Station # 89 Depth m:143 Time: 1989-05-27 04:30
 Position: 41° 28.69'N 69° 5.16'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.539 | 31.812 | 24.374 | 0.0000 | 6.016 | 9.5 | 83.4 |
| 10.0 | 10.419 | 31.823 | 24.403 | 0.0351 | 6.145 | 10.2 | 83.6 |
| 20.0 | 7.245 | 32.470 | 25.393 | 0.0640 | 7.034 | 10.7 | 82.3 |
| 30.0 | 5.740 | 32.643 | 25.722 | 0.0879 | 7.183 | 5.7 | 86.5 |
| 40.0 | 5.155 | 32.689 | 25.826 | 0.1095 | 6.684 | 3.1 | 88.2 |
| 50.0 | 5.125 | 32.816 | 25.930 | 0.1303 | 6.432 | 4.3 | 87.7 |
| 60.0 | 4.970 | 32.904 | 26.017 | 0.1502 | 6.281 | 4.2 | 88.0 |
| 70.0 | 4.491 | 32.930 | 26.090 | 0.1692 | 6.270 | 3.3 | 88.6 |
| 80.0 | 4.239 | 32.944 | 26.127 | 0.1877 | 6.269 | 2.5 | 88.5 |
| 90.0 | 4.238 | 32.978 | 26.154 | 0.2060 | 6.215 | 2.3 | 88.5 |
| 100.0 | 4.222 | 33.016 | 26.186 | 0.2240 | 6.190 | 2.1 | 88.4 |
| 110.0 | 4.286 | 33.043 | 26.201 | 0.2418 | 6.149 | 2.0 | 88.4 |
| 120.0 | 4.432 | 33.123 | 26.249 | 0.2594 | 5.996 | 1.8 | 88.5 |
| 126.0 | 4.485 | 33.187 | 26.294 | 0.2696 | 5.966 | 2.0 | 87.3 |



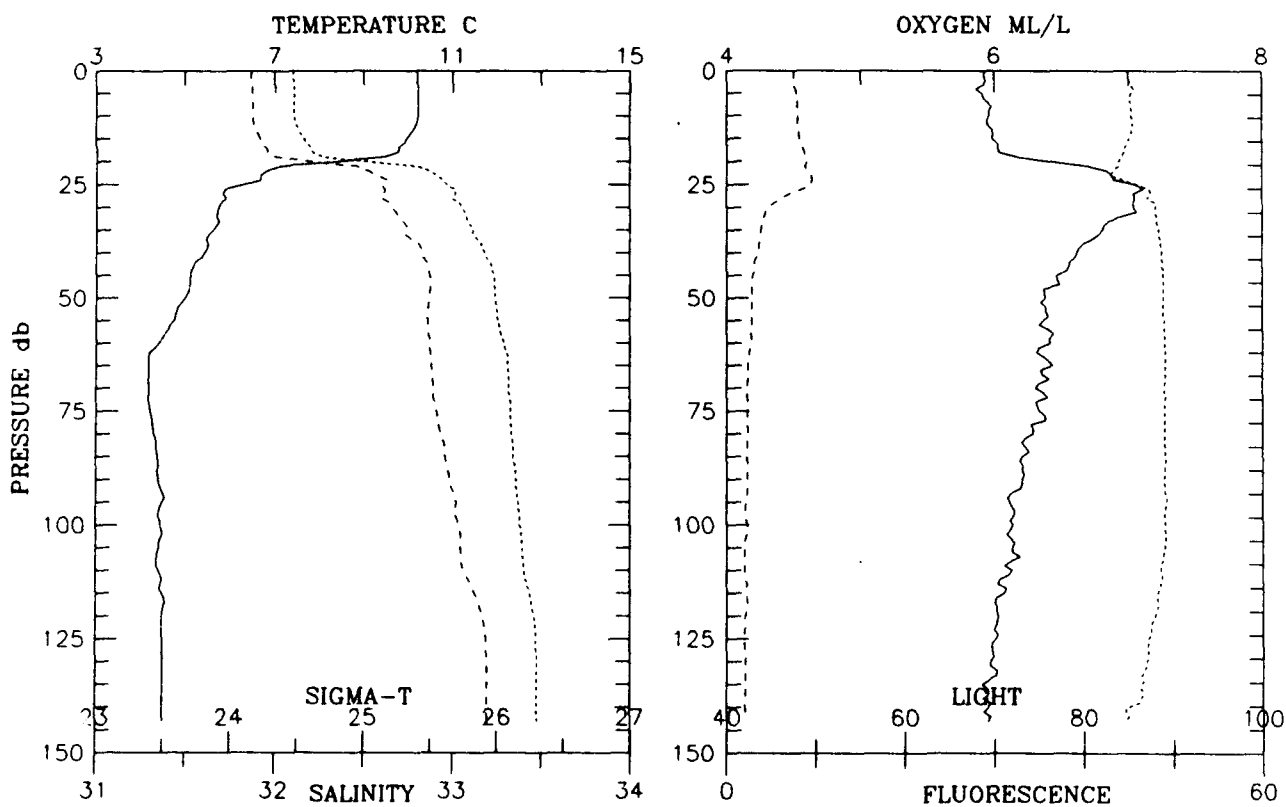
Cruise EN196 Consecutive Station # 90 Depth m:147 Time: 1989-05-27 07:07
 Position: 41° 28.55'N 69° 5.06'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.273 | 31.823 | 24.427 | 0.0000 | 5.946 | 10.0 | 83.0 |
| 10.0 | 10.077 | 31.870 | 24.497 | 0.0345 | 6.185 | 10.5 | 83.1 |
| 20.0 | 6.430 | 32.495 | 25.520 | 0.0627 | 6.878 | 18.4 | 81.8 |
| 30.0 | 6.066 | 32.613 | 25.659 | 0.0861 | 6.704 | 6.3 | 87.7 |
| 40.0 | 5.422 | 32.756 | 25.849 | 0.1080 | 6.523 | 3.9 | 88.7 |
| 50.0 | 4.695 | 32.853 | 26.007 | 0.1282 | 6.363 | 2.9 | 88.8 |
| 60.0 | 4.210 | 32.868 | 26.069 | 0.1475 | 6.302 | 2.7 | 89.1 |
| 70.0 | 4.211 | 32.909 | 26.102 | 0.1663 | 6.272 | 2.5 | 88.8 |
| 80.0 | 4.211 | 32.961 | 26.143 | 0.1847 | 6.194 | 2.2 | 88.9 |
| 90.0 | 4.455 | 33.040 | 26.181 | 0.2027 | 6.076 | 2.2 | 88.6 |
| 100.0 | 4.406 | 33.069 | 26.209 | 0.2205 | 6.051 | 2.2 | 87.8 |
| 110.0 | 4.434 | 33.109 | 26.238 | 0.2380 | 6.014 | 2.3 | 87.1 |
| 120.0 | 4.470 | 33.133 | 26.253 | 0.2553 | 5.992 | 2.2 | 87.1 |
| 130.0 | 4.500 | 33.170 | 26.279 | 0.2725 | 5.980 | 2.6 | 86.5 |
| 134.0 | 4.501 | 33.181 | 26.288 | 0.2793 | 5.971 | 2.3 | 86.0 |



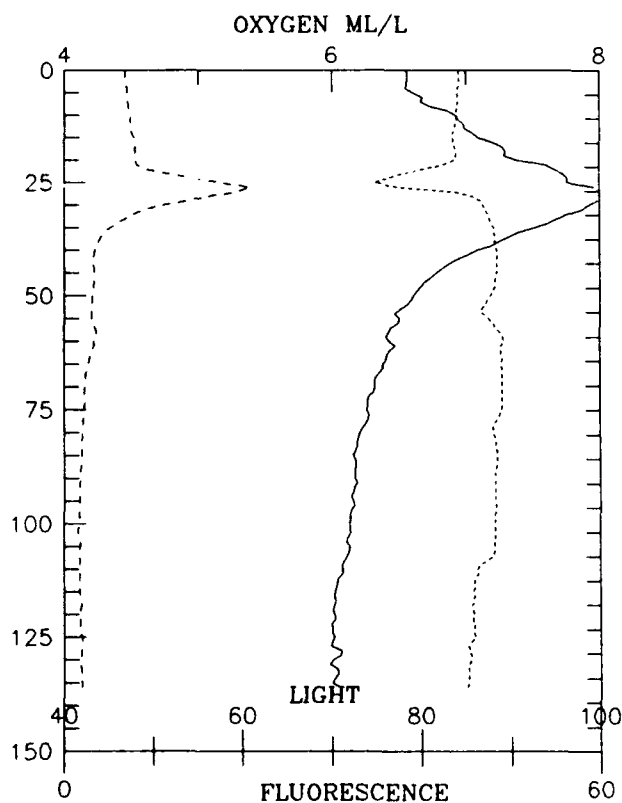
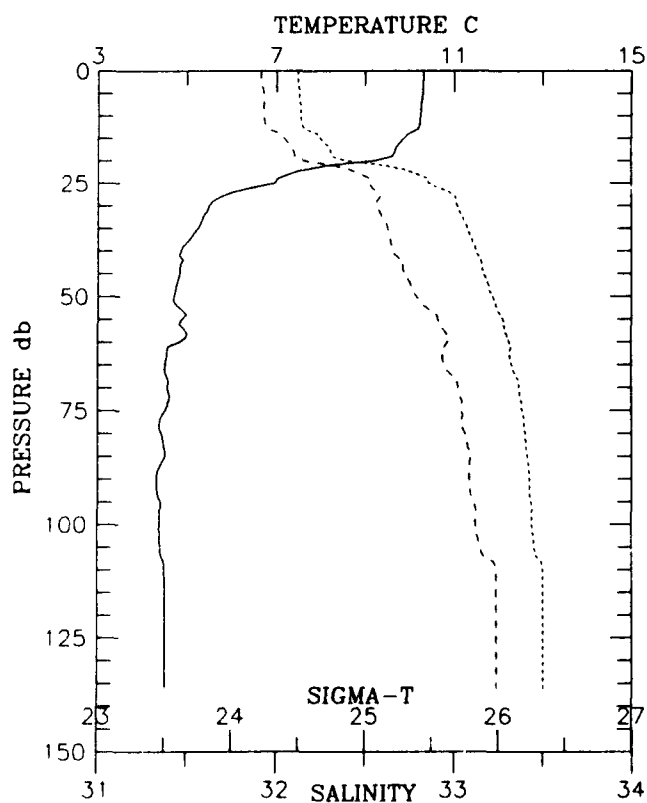
Cruise EN196 Consecutive Station # 91 Depth m:146 Time: 1989-05-27 10:03
 Position: 41° 28.45'N 69° 5.21'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.208 | 31.871 | 24.475 | 0.0000 | 5.929 | 7.5 | 85.0 |
| 10.0 | 10.216 | 31.875 | 24.477 | 0.0342 | 5.964 | 8.0 | 85.3 |
| 20.0 | 8.415 | 32.212 | 25.025 | 0.0674 | 6.415 | 9.0 | 83.9 |
| 30.0 | 5.754 | 32.665 | 25.738 | 0.0910 | 7.035 | 4.6 | 88.0 |
| 40.0 | 5.438 | 32.831 | 25.907 | 0.1123 | 6.616 | 3.5 | 88.7 |
| 50.0 | 5.003 | 32.867 | 25.984 | 0.1323 | 6.381 | 2.8 | 88.9 |
| 60.0 | 4.390 | 32.871 | 26.053 | 0.1517 | 6.411 | 2.7 | 89.0 |
| 70.0 | 4.191 | 32.893 | 26.092 | 0.1706 | 6.309 | 2.3 | 89.0 |
| 80.0 | 4.302 | 32.931 | 26.110 | 0.1892 | 6.287 | 2.4 | 89.0 |
| 90.0 | 4.395 | 32.984 | 26.142 | 0.2076 | 6.204 | 2.3 | 88.9 |
| 100.0 | 4.462 | 33.032 | 26.174 | 0.2258 | 6.134 | 2.3 | 89.0 |
| 110.0 | 4.415 | 33.065 | 26.205 | 0.2436 | 6.131 | 2.0 | 88.6 |
| 120.0 | 4.490 | 33.169 | 26.279 | 0.2610 | 6.023 | 2.1 | 87.9 |
| 130.0 | 4.496 | 33.193 | 26.298 | 0.2779 | 5.965 | 2.1 | 87.0 |
| 140.0 | 4.501 | 33.195 | 26.299 | 0.2947 | 5.950 | 2.1 | 84.7 |
| 143.0 | 4.501 | 33.195 | 26.299 | 0.2997 | 5.948 | 2.2 | 84.6 |



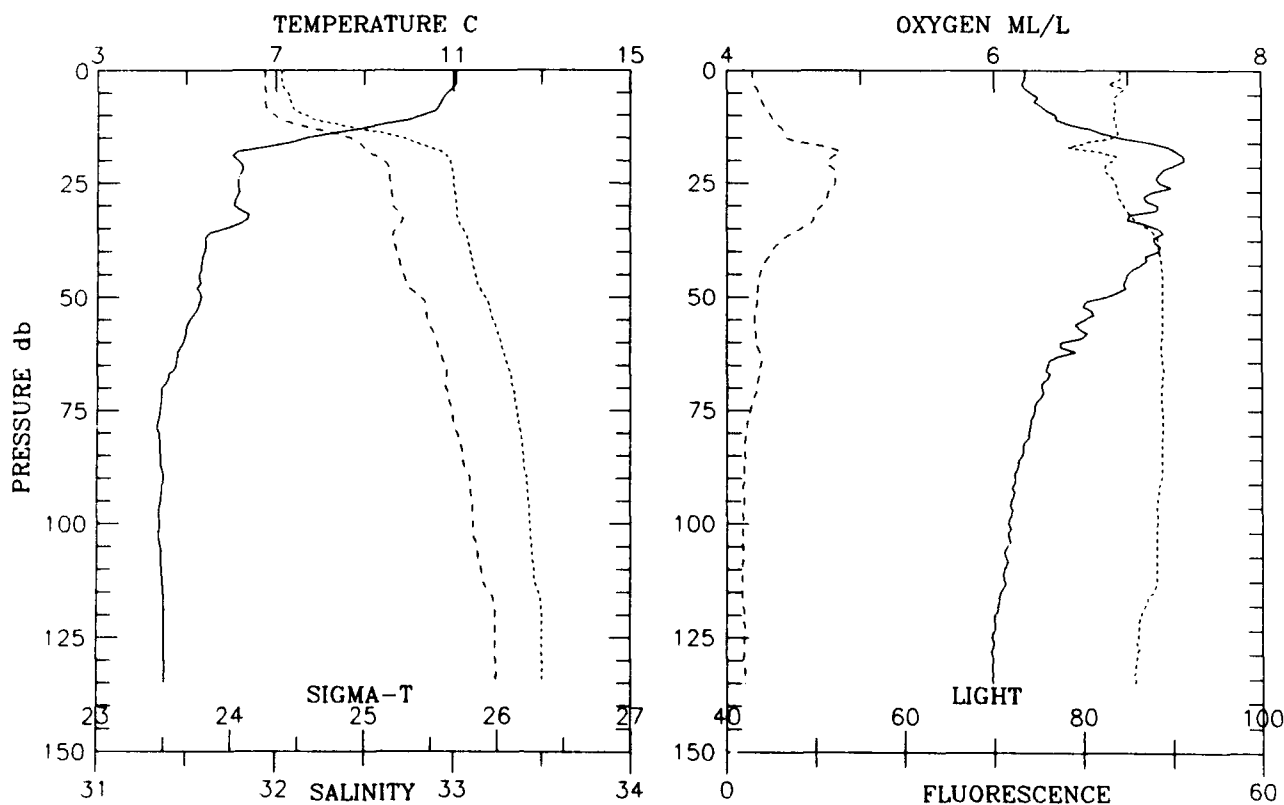
Cruise EN196 Consecutive Station # 92 Depth m:141 Time: 1989-05-27 12:59
 Position: 41° 29.20'N 69° 4.97'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.300 | 31.914 | 24.493 | 0.0000 | 6.560 | 6.8 | 84.2 |
| 10.0 | 10.236 | 31.927 | 24.515 | 0.0339 | 6.924 | 7.4 | 84.0 |
| 20.0 | 9.222 | 32.161 | 24.862 | 0.0664 | 7.378 | 8.0 | 83.7 |
| 30.0 | 5.492 | 32.570 | 25.694 | 0.0912 | 7.919 | 11.0 | 86.9 |
| 40.0 | 4.858 | 32.650 | 25.828 | 0.1130 | 7.076 | 3.4 | 88.4 |
| 50.0 | 4.706 | 32.787 | 25.953 | 0.1337 | 6.606 | 3.1 | 87.7 |
| 60.0 | 4.834 | 32.964 | 26.080 | 0.1531 | 6.429 | 3.3 | 89.2 |
| 70.0 | 4.557 | 33.021 | 26.155 | 0.1716 | 6.315 | 2.3 | 89.0 |
| 80.0 | 4.432 | 33.062 | 26.200 | 0.1896 | 6.207 | 2.0 | 88.0 |
| 90.0 | 4.329 | 33.086 | 26.230 | 0.2071 | 6.168 | 1.8 | 88.2 |
| 100.0 | 4.391 | 33.123 | 26.253 | 0.2245 | 6.131 | 1.7 | 88.2 |
| 110.0 | 4.508 | 33.237 | 26.332 | 0.2415 | 6.078 | 1.8 | 86.2 |
| 120.0 | 4.510 | 33.239 | 26.333 | 0.2580 | 6.015 | 1.9 | 85.8 |
| 130.0 | 4.511 | 33.240 | 26.334 | 0.2745 | 6.004 | 1.8 | 85.5 |
| 136.0 | 4.511 | 33.239 | 26.333 | 0.2844 | 6.054 | 1.9 | 85.1 |



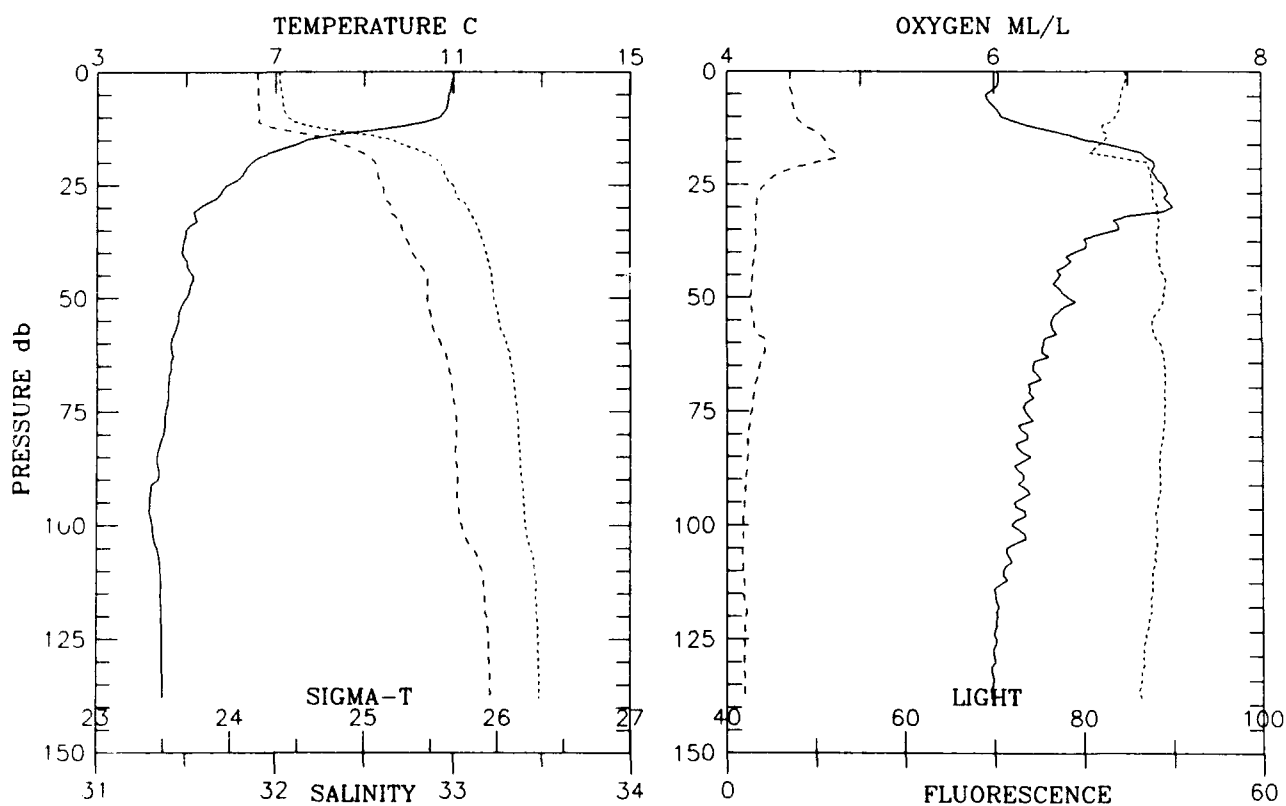
Cruise EN196 Consecutive Station # 94 Depth m:143 Time: 1989-05-27 16:00
 Position: 41° 28.85'N 69° 5.19'W Depth Deck Offset: 0.00 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.067 | 31.939 | 24.381 | 0.0000 | 6.233 | 2.9 | 84.2 |
| 10.0 | 10.297 | 31.994 | 24.557 | 0.0347 | 6.460 | 4.9 | 83.5 |
| 20.0 | 6.152 | 32.606 | 25.643 | 0.0620 | 7.422 | 11.3 | 83.3 |
| 30.0 | 6.071 | 32.655 | 25.691 | 0.0847 | 7.226 | 10.7 | 84.6 |
| 40.0 | 5.402 | 32.679 | 25.790 | 0.1068 | 7.224 | 5.0 | 88.5 |
| 50.0 | 5.333 | 32.816 | 25.906 | 0.1280 | 6.831 | 3.3 | 88.9 |
| 60.0 | 4.937 | 32.911 | 26.026 | 0.1479 | 6.498 | 3.3 | 88.7 |
| 70.0 | 4.444 | 32.958 | 26.117 | 0.1668 | 6.354 | 3.4 | 88.7 |
| 80.0 | 4.390 | 33.023 | 26.174 | 0.1851 | 6.256 | 2.1 | 88.9 |
| 90.0 | 4.494 | 33.096 | 26.221 | 0.2028 | 6.154 | 1.9 | 88.7 |
| 100.0 | 4.399 | 33.110 | 26.242 | 0.2202 | 6.104 | 1.8 | 88.2 |
| 110.0 | 4.461 | 33.159 | 26.274 | 0.2375 | 6.076 | 1.7 | 88.1 |
| 120.0 | 4.510 | 33.237 | 26.331 | 0.2542 | 6.003 | 1.9 | 86.4 |
| 130.0 | 4.512 | 33.240 | 26.333 | 0.2708 | 5.985 | 1.8 | 85.8 |
| 135.0 | 4.512 | 33.241 | 26.334 | 0.2790 | 5.988 | 2.0 | 85.7 |



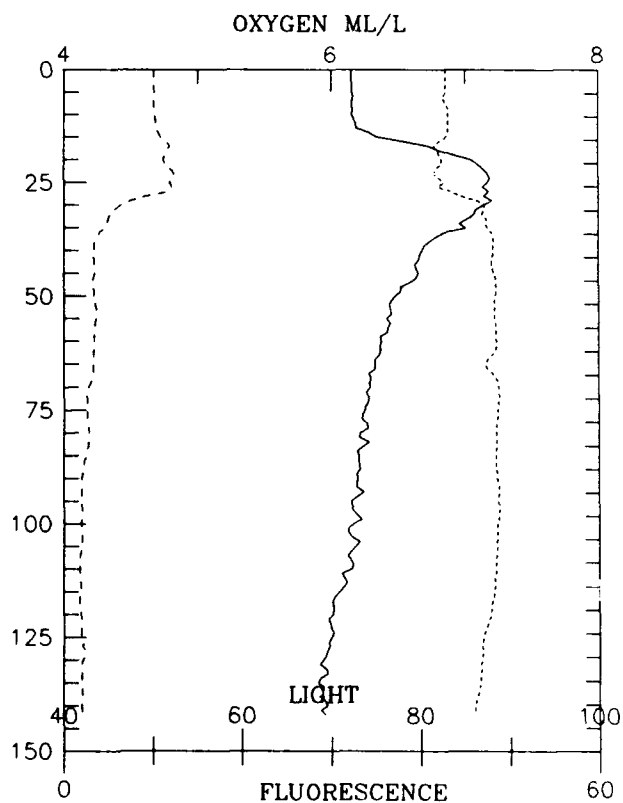
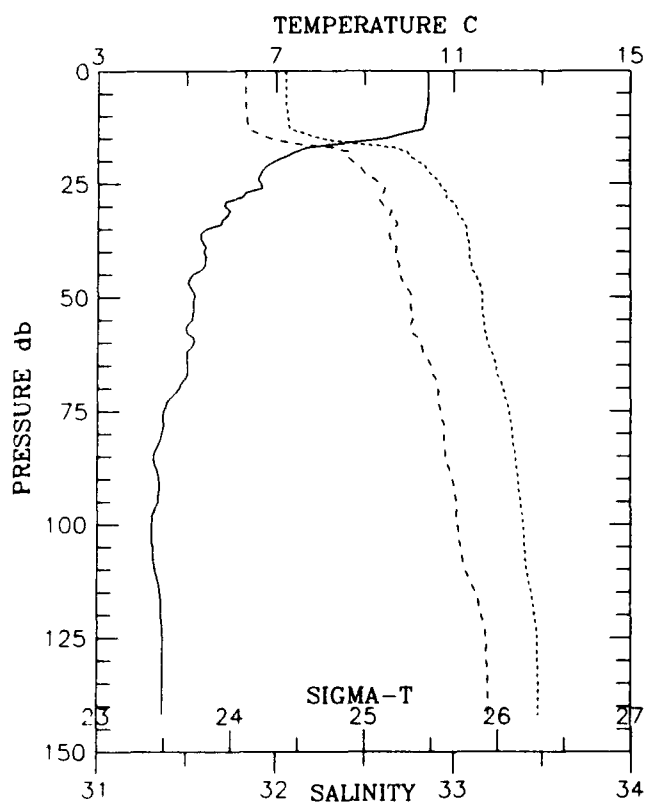
Cruise EN196 Consecutive Station # 96 Depth m:143 Time: 1989-05-27 19:18
 Position: 41° 28.70'N 69° 5.20'W Depth Deck Offset: 0.00 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.997 | 31.900 | 24.363 | 0.0000 | 6.032 | 7.1 | 84.8 |
| 10.0 | | 10.705 | 31.915 | 24.426 | 0.0351 | 6.055 | 7.8 | 83.6 |
| 20.0 | | 6.461 | 32.560 | 25.568 | 0.0635 | 7.196 | 10.1 | 87.1 |
| 30.0 | | 5.307 | 32.650 | 25.778 | 0.0863 | 7.336 | 3.3 | 88.4 |
| 40.0 | | 4.913 | 32.770 | 25.917 | 0.1073 | 6.599 | 3.1 | 88.3 |
| 50.0 | | 5.008 | 32.856 | 25.975 | 0.1274 | 6.552 | 2.6 | 89.0 |
| 60.0 | | 4.675 | 32.933 | 26.073 | 0.1468 | 6.369 | 4.3 | 88.6 |
| 70.0 | | 4.609 | 32.993 | 26.127 | 0.1654 | 6.264 | 3.1 | 89.0 |
| 80.0 | | 4.496 | 33.019 | 26.160 | 0.1837 | 6.246 | 2.4 | 88.9 |
| 90.0 | | 4.386 | 33.028 | 26.179 | 0.2017 | 6.213 | 2.1 | 88.5 |
| 100.0 | | 4.256 | 33.050 | 26.209 | 0.2194 | 6.130 | 1.8 | 88.1 |
| 110.0 | | 4.432 | 33.166 | 26.283 | 0.2367 | 6.062 | 1.8 | 87.6 |
| 120.0 | | 4.460 | 33.191 | 26.300 | 0.2536 | 6.021 | 2.1 | 87.3 |
| 130.0 | | 4.473 | 33.204 | 26.309 | 0.2704 | 6.006 | 1.9 | 86.7 |
| 138.0 | | 4.478 | 33.210 | 26.313 | 0.2838 | 5.976 | 2.0 | 86.4 |



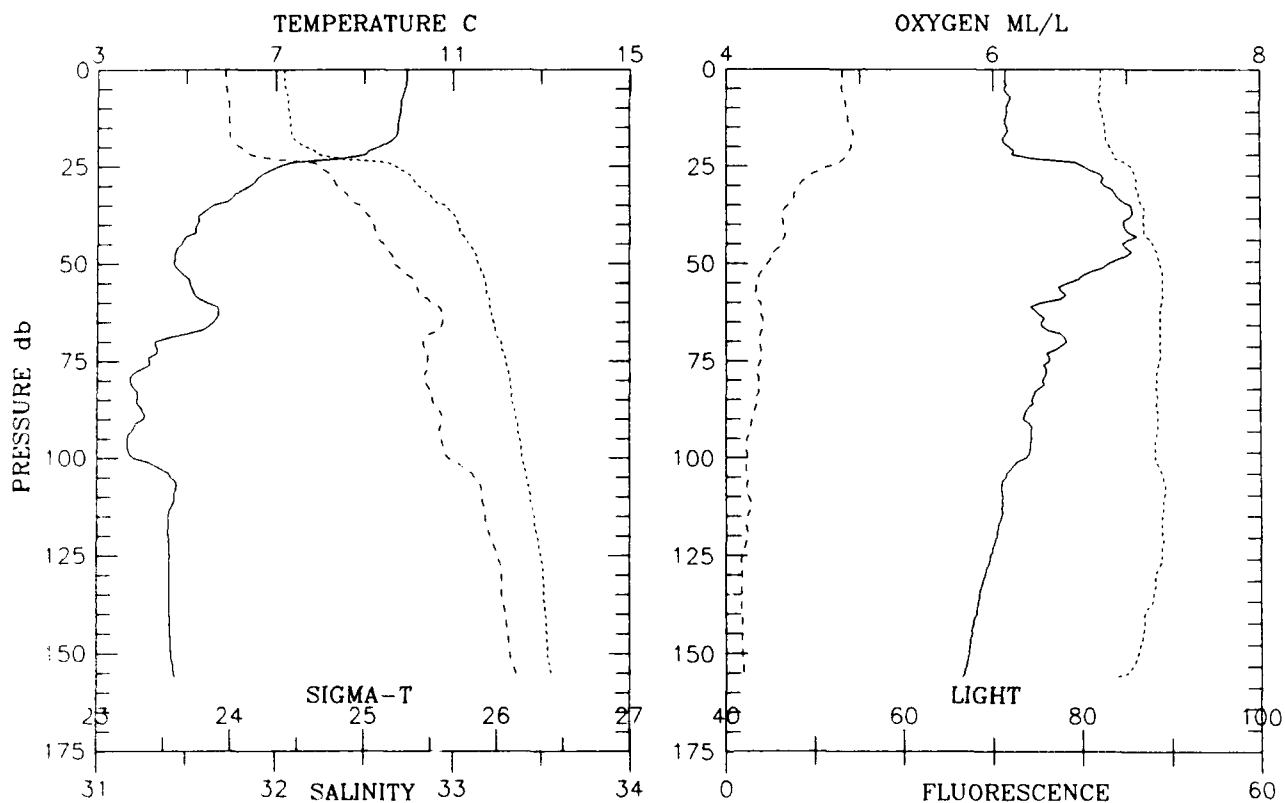
Cruise EN196 Consecutive Station # 97 Depth m:144 Time: 1989-05-27 22:03
 Position: 41° 28.67'N 69° 5.09'W Depth Deck Offset: 0.00 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|---------------------|----------------------|
| 0.0 | E 10.425 | 31.829 | 24.407 | 0.0000 | 6.152 | 10.1 | 82.8 |
| 10.0 | 10.369 | 31.837 | 24.422 | 0.0348 | 6.159 | 10.2 | 83.1 |
| 20.0 | 6.984 | 32.428 | 25.396 | 0.0657 | 7.050 | 11.2 | 82.4 |
| 30.0 | 5.846 | 32.608 | 25.682 | 0.0895 | 7.138 | 6.4 | 87.2 |
| 40.0 | 5.376 | 32.676 | 25.791 | 0.1115 | 6.682 | 3.4 | 88.1 |
| 50.0 | 5.176 | 32.763 | 25.883 | 0.1327 | 6.479 | 3.3 | 88.3 |
| 60.0 | 5.169 | 32.816 | 25.925 | 0.1534 | 6.372 | 3.4 | 88.5 |
| 70.0 | 4.854 | 32.913 | 26.038 | 0.1731 | 6.294 | 2.8 | 88.8 |
| 80.0 | 4.441 | 32.948 | 26.109 | 0.1920 | 6.216 | 2.8 | 88.5 |
| 90.0 | 4.385 | 32.995 | 26.153 | 0.2104 | 6.199 | 2.0 | 88.6 |
| 100.0 | 4.229 | 33.024 | 26.191 | 0.2284 | 6.166 | 1.9 | 88.6 |
| 110.0 | 4.302 | 33.066 | 26.217 | 0.2461 | 6.158 | 1.8 | 88.4 |
| 120.0 | 4.448 | 33.160 | 26.276 | 0.2634 | 6.008 | 1.9 | 87.8 |
| 130.0 | 4.467 | 33.187 | 26.296 | 0.2803 | 5.937 | 2.1 | 86.9 |
| 140.0 | 4.474 | 33.198 | 26.304 | 0.2971 | 5.972 | 2.0 | 86.1 |
| 142.0 | 4.474 | 33.198 | 26.304 | 0.3005 | 5.958 | 2.0 | 85.9 |



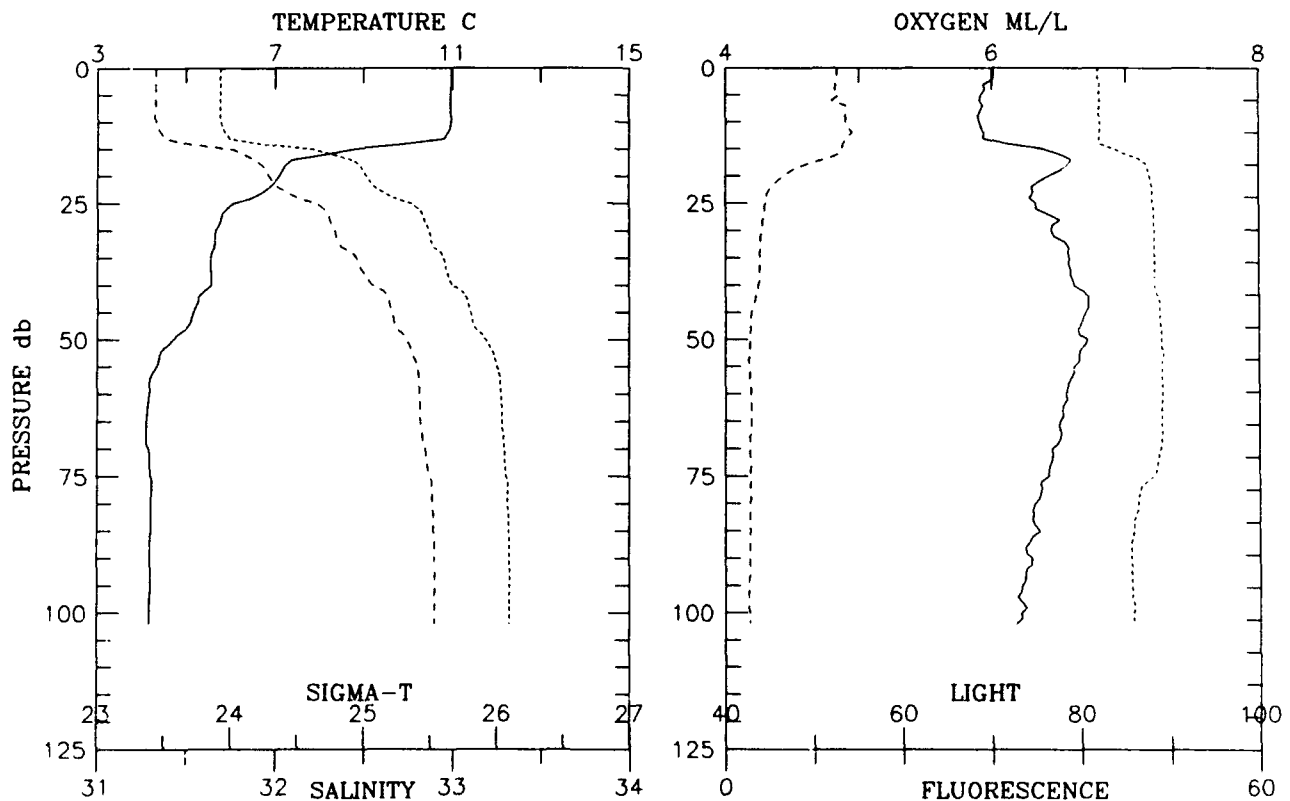
Cruise EN196 Consecutive Station # 98 Depth m:164 Time: 1989-05-28 01:25
 Position: 41° 43.63'N 69° 23.03'W Depth Deck Offset: -0.35 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.950 | 31.719 | 24.399 | 0.0000 | 6.092 | 13.1 |
| 10.0 | | 9.835 | 31.738 | 24.433 | 0.0348 | 6.103 | 13.5 |
| 20.0 | | 9.341 | 31.804 | 24.564 | 0.0691 | 6.122 | 14.1 |
| 30.0 | | 6.419 | 32.347 | 25.405 | 0.0974 | 6.833 | 8.2 |
| 40.0 | | 5.232 | 32.552 | 25.709 | 0.1210 | 6.978 | 6.4 |
| 50.0 | | 4.719 | 32.670 | 25.859 | 0.1426 | 6.860 | 4.6 |
| 60.0 | | 5.467 | 32.883 | 25.944 | 0.1631 | 6.362 | 3.9 |
| 70.0 | | 4.293 | 32.831 | 26.032 | 0.1830 | 6.549 | 3.7 |
| 80.0 | | 3.746 | 32.845 | 26.097 | 0.2020 | 6.364 | 3.6 |
| 90.0 | | 4.052 | 32.941 | 26.143 | 0.2204 | 6.224 | 2.9 |
| 100.0 | | 3.814 | 32.972 | 26.191 | 0.2384 | 6.245 | 2.3 |
| 110.0 | | 4.739 | 33.168 | 26.252 | 0.2560 | 6.067 | 2.5 |
| 120.0 | | 4.602 | 33.212 | 26.302 | 0.2730 | 6.028 | 2.3 |
| 130.0 | | 4.632 | 33.277 | 26.350 | 0.2895 | 5.936 | 1.8 |
| 140.0 | | 4.637 | 33.300 | 26.368 | 0.3059 | 5.874 | 1.7 |
| 150.0 | | 4.675 | 33.325 | 26.383 | 0.3220 | 5.815 | 1.8 |
| 156.0 | | 4.753 | 33.368 | 26.409 | 0.3316 | 5.763 | 1.9 |



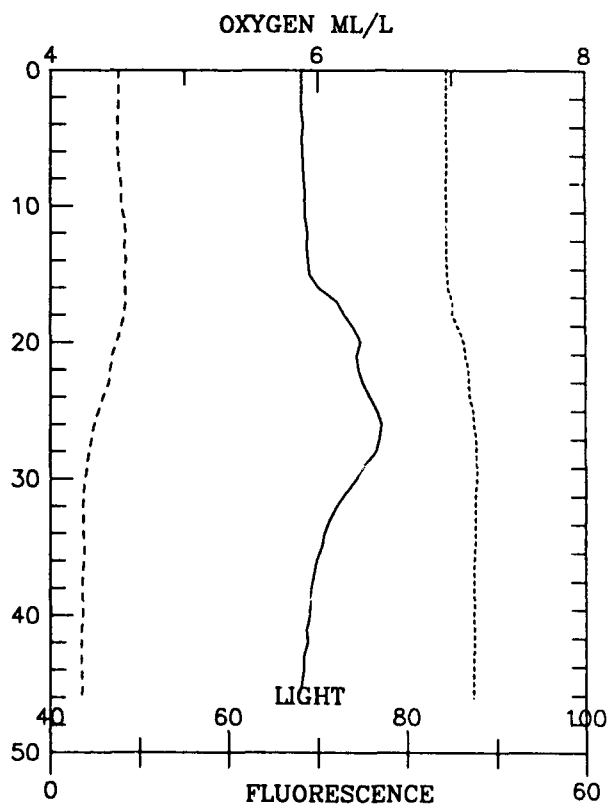
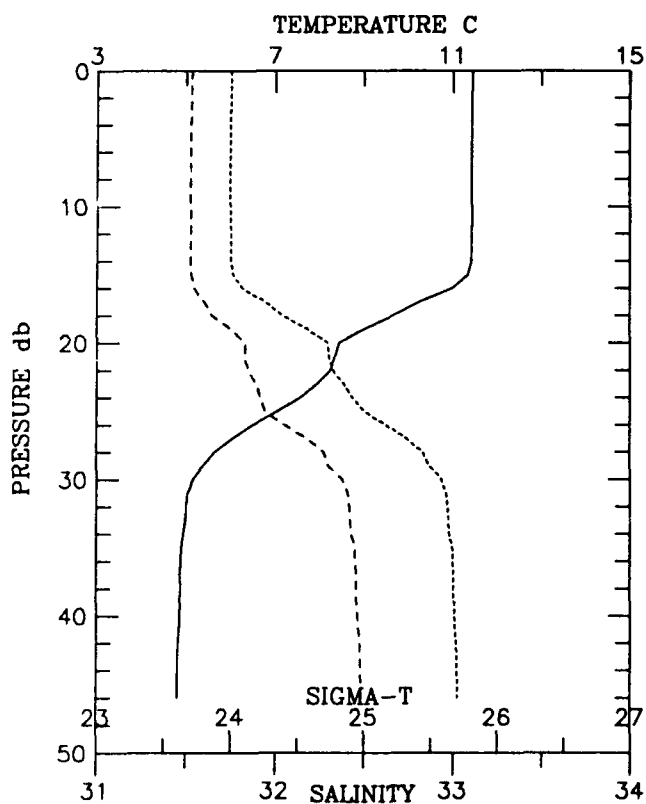
Cruise EN196 Consecutive Station # 99 Depth m:109 Time: 1989-05-28 03:46
 Position: 41° 39.63'N 69° 30.96'W Depth Deck Offset: -0.35 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%light) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.977 | 31.327 | 23.921 | 0.0000 | 6.011 | 12.6 | 81.9 |
| 5.0 | 10.969 | 31.326 | 23.922 | 0.0197 | 5.917 | 12.8 | 82.0 |
| 10.0 | 10.970 | 31.326 | 23.921 | 0.0395 | 5.903 | 13.5 | 82.1 |
| 15.0 | 8.813 | 31.760 | 24.611 | 0.0585 | 6.380 | 13.1 | 83.7 |
| 20.0 | 7.083 | 31.966 | 25.018 | 0.0735 | 6.425 | 6.5 | 87.7 |
| 25.0 | 6.055 | 32.236 | 25.363 | 0.0874 | 6.331 | 4.5 | 88.0 |
| 30.0 | 5.643 | 32.337 | 25.492 | 0.0999 | 6.440 | 4.0 | 88.2 |
| 35.0 | 5.543 | 32.459 | 25.600 | 0.1119 | 6.579 | 3.8 | 88.3 |
| 40.0 | 5.569 | 32.547 | 25.666 | 0.1235 | 6.616 | 3.7 | 88.3 |
| 45.0 | 5.156 | 32.660 | 25.803 | 0.1345 | 6.700 | 2.9 | 88.8 |
| 50.0 | 4.704 | 32.740 | 25.916 | 0.1450 | 6.712 | 2.7 | 89.0 |
| 55.0 | 4.335 | 32.802 | 26.004 | 0.1549 | 6.611 | 2.7 | 89.1 |
| 60.0 | 4.171 | 32.813 | 26.029 | 0.1646 | 6.551 | 2.8 | 89.1 |
| 65.0 | 4.113 | 32.819 | 26.040 | 0.1743 | 6.507 | 2.9 | 89.0 |
| 70.0 | 4.162 | 32.849 | 26.059 | 0.1838 | 6.445 | 2.7 | 88.9 |
| 75.0 | 4.208 | 32.873 | 26.073 | 0.1933 | 6.421 | 2.8 | 88.0 |
| 80.0 | 4.215 | 32.885 | 26.082 | 0.2027 | 6.314 | 2.7 | 86.3 |
| 85.0 | 4.207 | 32.894 | 26.090 | 0.2121 | 6.357 | 2.8 | 85.8 |
| 90.0 | 4.194 | 32.899 | 26.096 | 0.2215 | 6.298 | 2.7 | 85.6 |
| 95.0 | 4.194 | 32.898 | 26.095 | 0.2309 | 6.221 | 2.6 | 85.6 |
| 100.0 | 4.185 | 32.898 | 26.096 | 0.2402 | 6.216 | 2.7 | 85.8 |
| 102.0 | 4.182 | 32.899 | 26.097 | 0.2440 | 6.178 | 2.7 | 85.9 |



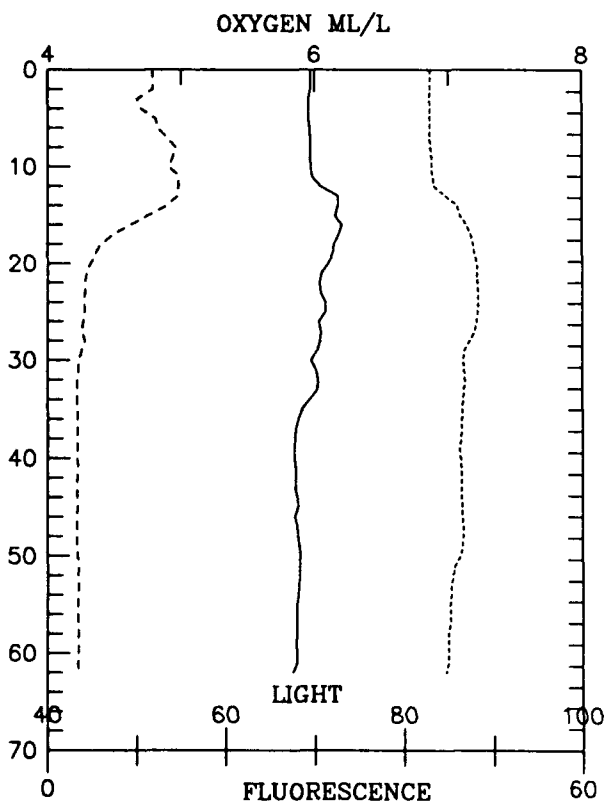
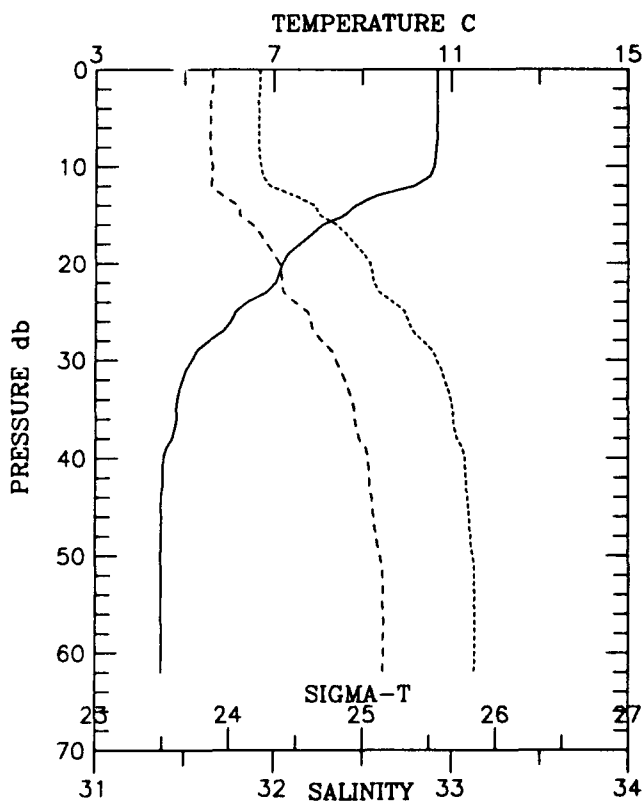
Cruise EN196 Consecutive Station # 100 Depth m:53 Time: 1989-05-28 06:01
 Position: 41° 35.38'N 69° 37.80'W Depth Deck Offset: -0.35 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.433 | 31.530 | 23.999 | 0.0000 | 5.879 | 7.6 | 84.4 |
| 5.0 | | 11.430 | 31.525 | 23.996 | 0.0194 | 5.887 | 7.5 | 84.4 |
| 10.0 | | 11.426 | 31.525 | 23.996 | 0.0388 | 5.905 | 8.0 | 84.4 |
| 15.0 | | 11.338 | 31.528 | 24.014 | 0.0581 | 5.939 | 8.3 | 84.5 |
| 20.0 | | 8.432 | 31.830 | 24.723 | 0.0759 | 6.319 | 7.4 | 86.3 |
| 25.0 | | 7.054 | 31.943 | 25.004 | 0.0913 | 6.443 | 5.4 | 87.4 |
| 30.0 | | 5.155 | 32.380 | 25.582 | 0.1042 | 6.285 | 3.8 | 87.8 |
| 35.0 | | 4.911 | 32.452 | 25.665 | 0.1158 | 6.029 | 3.8 | 87.6 |
| 40.0 | | 4.873 | 32.464 | 25.679 | 0.1271 | 5.936 | 3.6 | 87.4 |
| 45.0 | | 4.822 | 32.485 | 25.702 | 0.1384 | 5.881 | 3.6 | 87.4 |
| 46.0 | | 4.816 | 32.487 | 25.704 | 0.1406 | 5.855 | 3.5 | 87.4 |



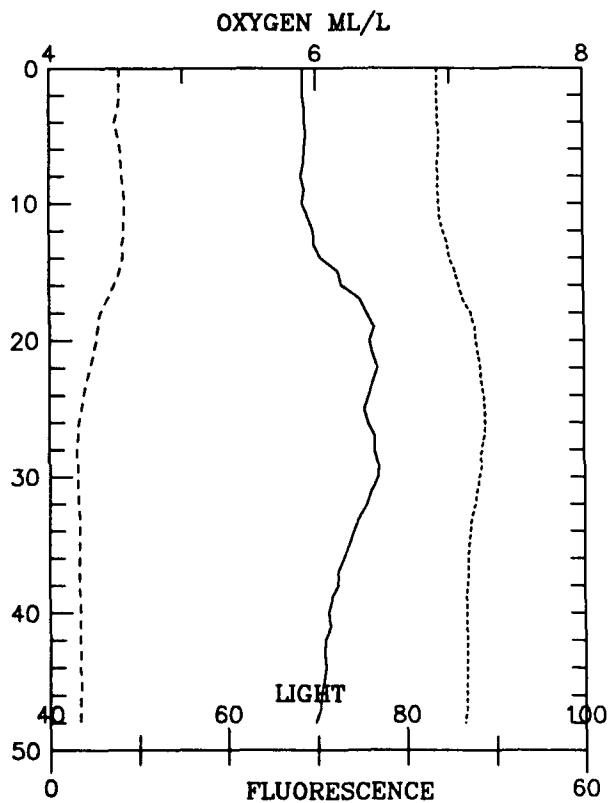
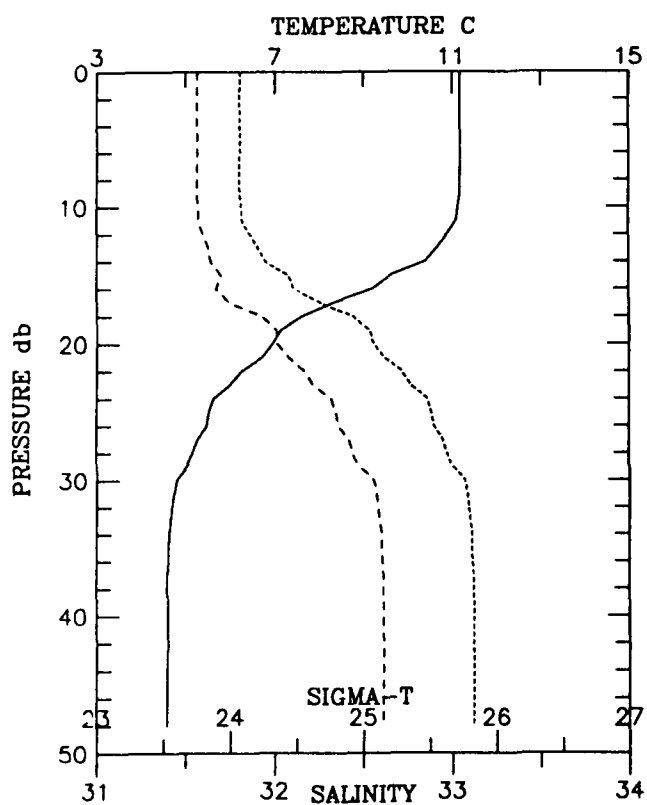
Cruise EN196 Consecutive Station # 101 Depth m:62 Time: 1989-05-28 10:55
 Position: 41° 42.48'N 69° 45.81'W Depth Deck Offset: -0.35 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.681 | 31.656 | 24.228 | 0.0000 | 5.972 | 11.8 | 83.0 |
| 5.0 | 10.679 | 31.642 | 24.218 | 0.0183 | 5.950 | 12.1 | 82.9 |
| 10.0 | 10.618 | 31.655 | 24.238 | 0.0366 | 5.972 | 13.7 | 83.1 |
| 15.0 | 8.601 | 31.809 | 24.681 | 0.0539 | 6.157 | 11.4 | 86.3 |
| 20.0 | 7.190 | 32.031 | 25.055 | 0.0689 | 6.096 | 4.8 | 88.1 |
| 25.0 | 6.151 | 32.190 | 25.315 | 0.0828 | 6.079 | 4.1 | 88.2 |
| 30.0 | 5.164 | 32.352 | 25.558 | 0.0954 | 5.974 | 3.5 | 86.6 |
| 35.0 | 4.821 | 32.455 | 25.678 | 0.1069 | 5.902 | 3.3 | 86.5 |
| 40.0 | 4.531 | 32.531 | 25.768 | 0.1181 | 5.847 | 3.3 | 86.3 |
| 45.0 | 4.476 | 32.555 | 25.794 | 0.1289 | 5.875 | 3.4 | 86.5 |
| 50.0 | 4.475 | 32.603 | 25.832 | 0.1396 | 5.892 | 3.4 | 86.3 |
| 55.0 | 4.471 | 32.613 | 25.840 | 0.1502 | 5.866 | 3.4 | 85.1 |
| 60.0 | 4.485 | 32.618 | 25.843 | 0.1607 | 5.863 | 3.5 | 84.9 |
| 62.0 | 4.491 | 32.616 | 25.841 | 0.1650 | 5.837 | 3.5 | 84.7 |



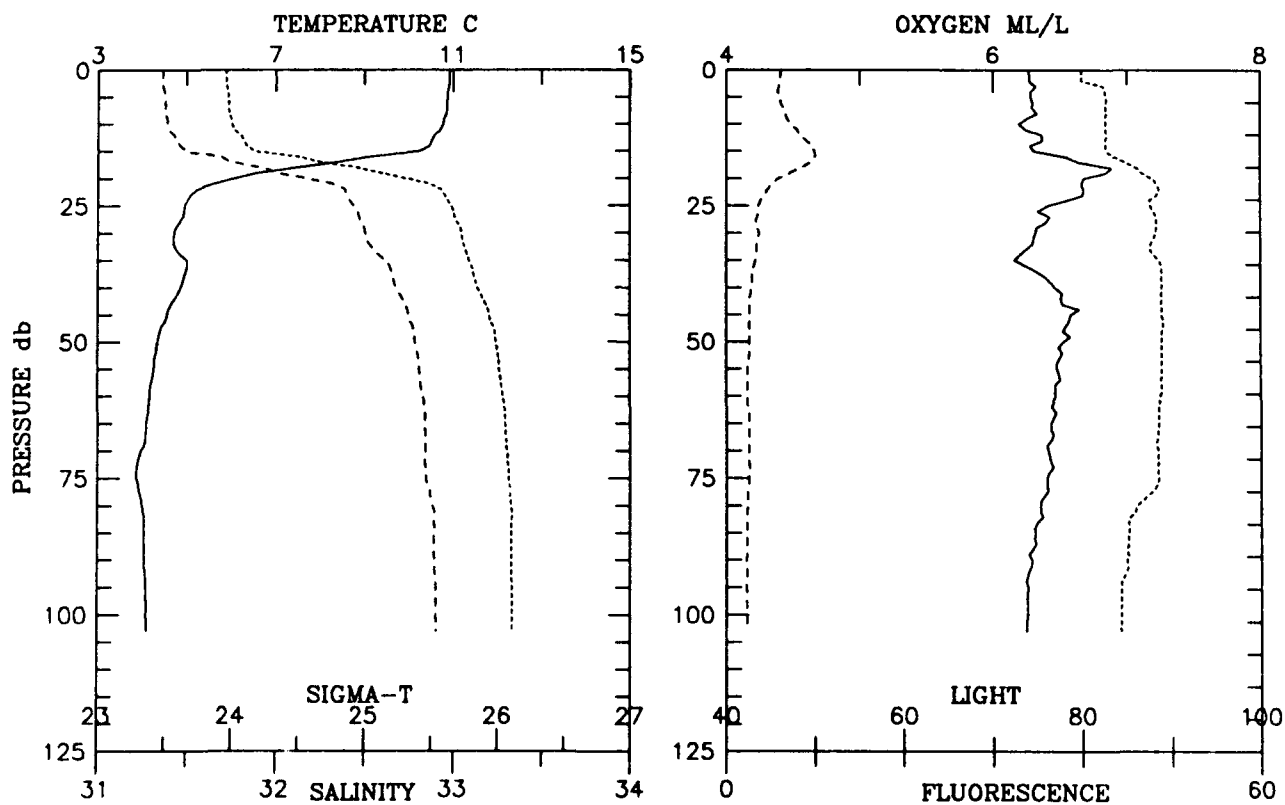
Cruise EN196 Consecutive Station # 102 Depth m:52 Time: 1989-05-28 12:15
 Position: 41° 35.18'N 69° 37.82'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.188 | 31.566 | 24.070 | 0.0000 | 5.904 | 7.9 |
| 5.0 | | 11.183 | 31.565 | 24.070 | 0.0190 | 5.922 | 7.7 |
| 10.0 | | 11.132 | 31.571 | 24.084 | 0.0380 | 5.900 | 8.5 |
| 15.0 | | 9.618 | 31.700 | 24.438 | 0.0565 | 6.166 | 7.9 |
| 20.0 | | 6.949 | 32.014 | 25.074 | 0.0721 | 6.396 | 5.2 |
| 25.0 | | 5.521 | 32.344 | 25.511 | 0.0852 | 6.355 | 3.6 |
| 30.0 | | 4.799 | 32.556 | 25.760 | 0.0968 | 6.452 | 3.1 |
| 35.0 | | 4.622 | 32.601 | 25.814 | 0.1076 | 6.237 | 3.3 |
| 40.0 | | 4.598 | 32.612 | 25.826 | 0.1182 | 6.083 | 3.4 |
| 45.0 | | 4.595 | 32.613 | 25.827 | 0.1289 | 6.044 | 3.5 |
| 48.0 | | 4.584 | 32.614 | 25.829 | 0.1352 | 5.989 | 3.4 |



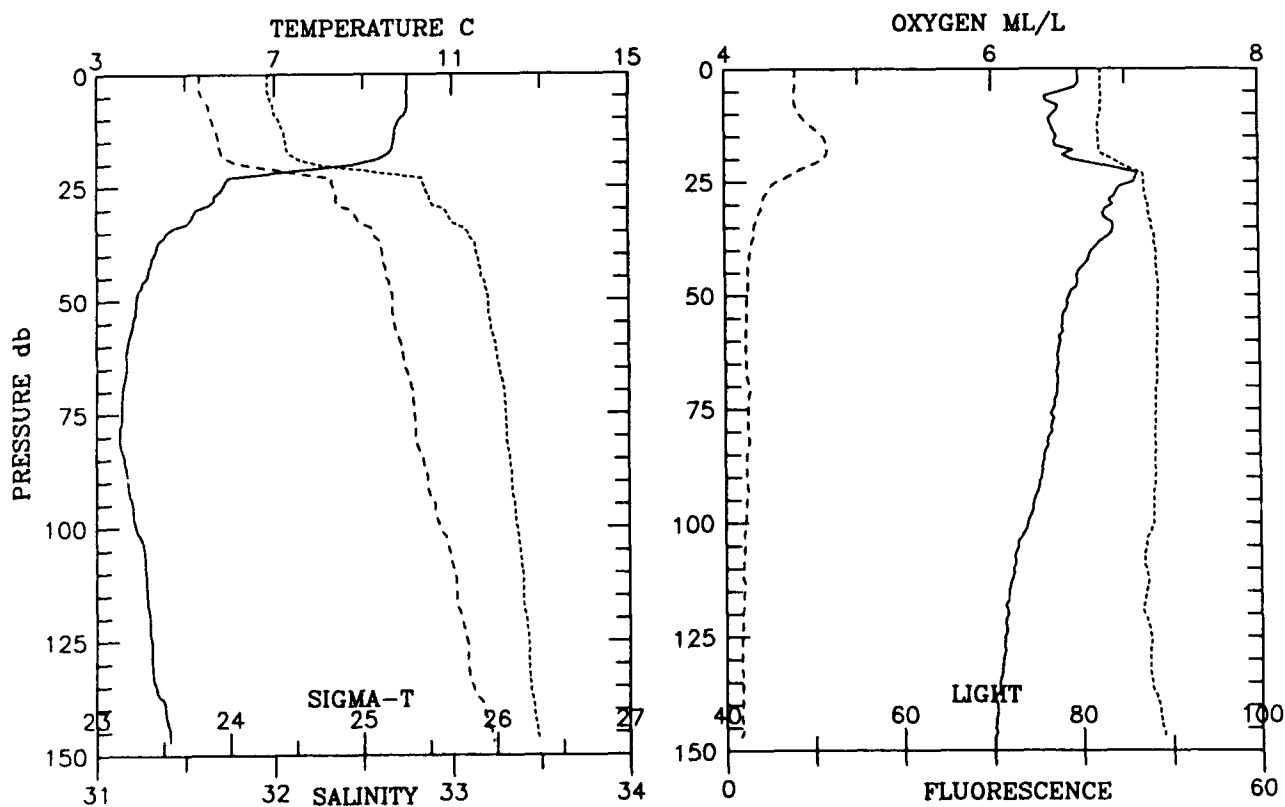
Cruise EN196 Consecutive Station # 103 Depth m:78 Time: 1989-05-28 14:51
 Position: 41° 39.57'N 69° 3.06'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.918 | 31.364 | 23.960 | 0.0000 | 6.269 | 6.1 |
| 5.0 | | 10.870 | 31.376 | 23.978 | 0.0195 | 6.283 | 6.1 |
| 10.0 | | 10.765 | 31.391 | 24.007 | 0.0389 | 6.197 | 7.2 |
| 15.0 | | 10.271 | 31.497 | 24.173 | 0.0579 | 6.309 | 9.9 |
| 20.0 | | 6.062 | 32.180 | 25.318 | 0.0735 | 6.675 | 5.8 |
| 25.0 | | 4.961 | 32.440 | 25.651 | 0.0854 | 6.410 | 3.6 |
| 30.0 | | 4.714 | 32.504 | 25.728 | 0.0966 | 6.319 | 3.7 |
| 35.0 | | 5.016 | 32.618 | 25.786 | 0.1076 | 6.160 | 3.2 |
| 40.0 | | 4.865 | 32.677 | 25.849 | 0.1182 | 6.461 | 2.8 |
| 45.0 | | 4.563 | 32.748 | 25.938 | 0.1285 | 6.579 | 2.6 |
| 50.0 | | 4.362 | 32.785 | 25.988 | 0.1384 | 6.527 | 2.6 |
| 55.0 | | 4.264 | 32.808 | 26.016 | 0.1482 | 6.476 | 2.4 |
| 60.0 | | 4.174 | 32.832 | 26.045 | 0.1579 | 6.467 | 2.3 |
| 65.0 | | 4.101 | 32.841 | 26.059 | 0.1674 | 6.426 | 2.5 |
| 70.0 | | 3.977 | 32.844 | 26.074 | 0.1769 | 6.410 | 2.5 |
| 75.0 | | 3.884 | 32.850 | 26.087 | 0.1863 | 6.398 | 2.5 |
| 80.0 | | 4.014 | 32.884 | 26.102 | 0.1957 | 6.350 | 2.4 |
| 85.0 | | 4.058 | 32.894 | 26.105 | 0.2050 | 6.313 | 2.3 |
| 90.0 | | 4.071 | 32.896 | 26.106 | 0.2143 | 6.288 | 2.2 |
| 95.0 | | 4.099 | 32.903 | 26.109 | 0.2236 | 6.258 | 2.2 |
| 100.0 | | 4.101 | 32.905 | 26.110 | 0.2329 | 6.253 | 2.3 |
| 103.0 | | 4.104 | 32.905 | 26.110 | 0.2384 | 6.244 | 2.3 |



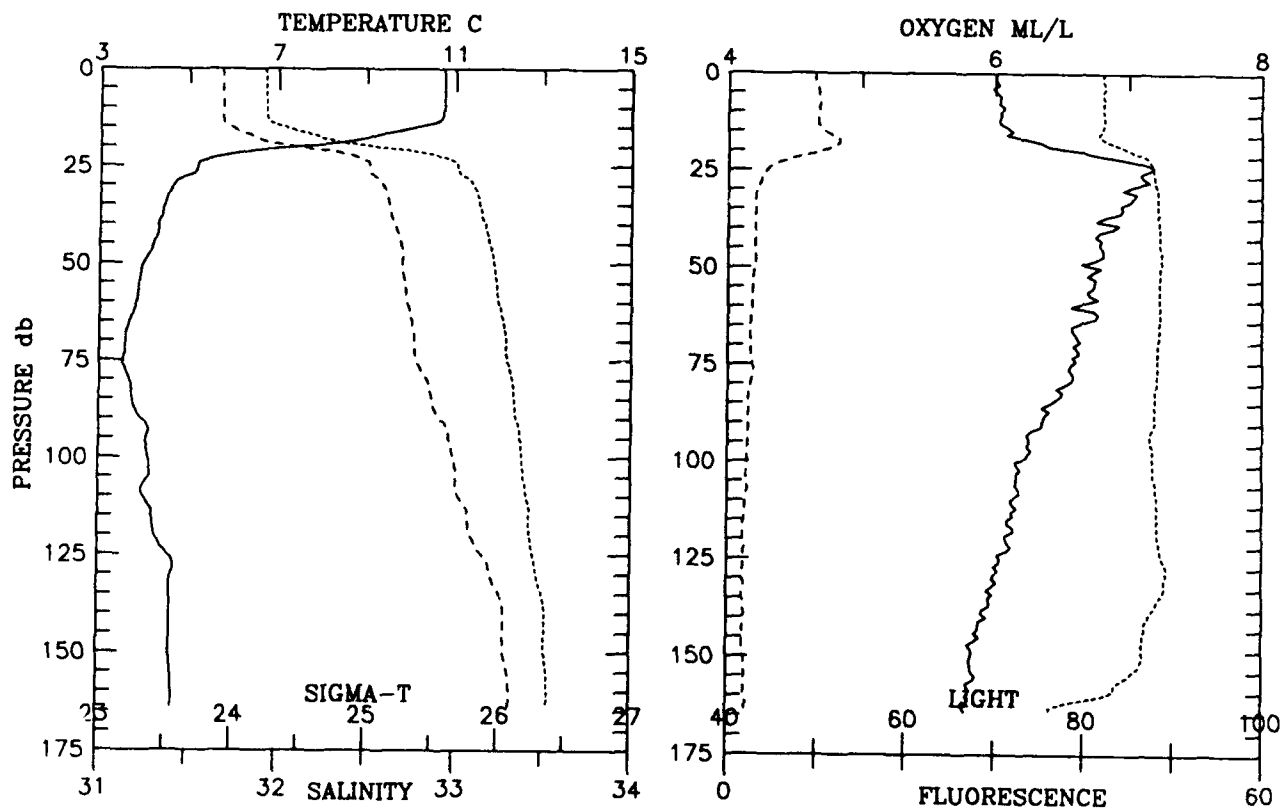
Cruise EN196 Consecutive Station # 104 Depth m:178 Time: 1989-05-28 18:01
 Position: 41° 43.81'N 69° 23.13'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.005 | 31.580 | 24.282 | 0.0000 | 6.653 | 8.0 | 82.3 |
| 10.0 | | 9.822 | 31.649 | 24.366 | 0.0358 | 6.459 | 8.5 | 82.2 |
| 20.0 | | 8.874 | 31.819 | 24.648 | 0.0704 | 6.597 | 11.1 | 83.7 |
| 30.0 | | 5.242 | 32.434 | 25.615 | 0.0961 | 6.909 | 4.2 | 87.6 |
| 40.0 | | 4.286 | 32.607 | 25.854 | 0.1180 | 6.746 | 2.8 | 88.4 |
| 50.0 | | 3.896 | 32.663 | 25.938 | 0.1386 | 6.578 | 2.5 | 88.6 |
| 60.0 | | 3.701 | 32.714 | 25.997 | 0.1585 | 6.511 | 2.3 | 88.5 |
| 70.0 | | 3.589 | 32.777 | 26.057 | 0.1779 | 6.481 | 2.7 | 88.3 |
| 80.0 | | 3.525 | 32.795 | 26.078 | 0.1968 | 6.442 | 2.5 | 88.2 |
| 90.0 | | 3.707 | 32.859 | 26.112 | 0.2155 | 6.360 | 2.3 | 88.1 |
| 100.0 | | 3.886 | 32.936 | 26.156 | 0.2338 | 6.260 | 2.2 | 88.0 |
| 110.0 | | 4.110 | 33.015 | 26.197 | 0.2518 | 6.147 | 1.9 | 87.1 |
| 120.0 | | 4.189 | 33.051 | 26.217 | 0.2695 | 6.106 | 1.8 | 86.9 |
| 130.0 | | 4.248 | 33.088 | 26.241 | 0.2869 | 6.067 | 1.7 | 87.5 |
| 140.0 | | 4.548 | 33.179 | 26.281 | 0.3041 | 6.024 | 1.8 | 88.5 |
| 147.0 | | 4.641 | 33.229 | 26.311 | 0.3160 | 6.005 | 1.6 | 89.0 |



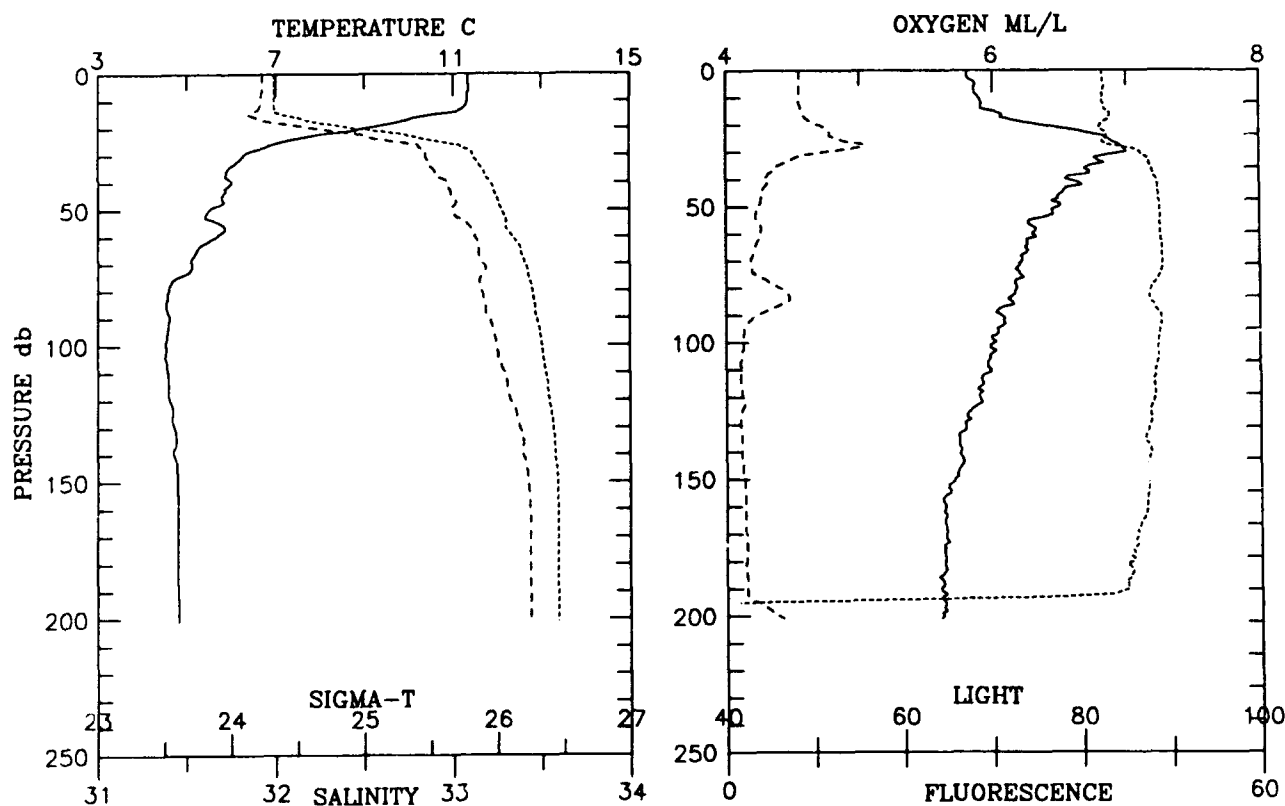
Cruise EN196 Consecutive Station # 105 Depth m:168 Time: 1989-05-28 22:01
 Position: 41° 43.95'N 69° 23.03'W Depth Deck Offset: -0.50 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.742 | 31.684 | 24.239 | 0.0000 | 6.005 | 9.7 | 82.1 |
| 10.0 | 10.739 | 31.687 | 24.242 | 0.0364 | 6.046 | 10.3 | 82.2 |
| 20.0 | 7.516 | 32.090 | 25.058 | 0.0707 | 6.635 | 10.7 | 85.3 |
| 30.0 | 4.658 | 32.589 | 25.802 | 0.0940 | 6.958 | 3.3 | 88.3 |
| 40.0 | 4.313 | 32.665 | 25.897 | 0.1149 | 6.886 | 3.0 | 88.5 |
| 50.0 | 3.983 | 32.704 | 25.962 | 0.1352 | 6.792 | 3.0 | 88.6 |
| 60.0 | 3.837 | 32.731 | 25.998 | 0.1549 | 6.568 | 2.7 | 88.5 |
| 70.0 | 3.596 | 32.774 | 26.055 | 0.1742 | 6.588 | 2.6 | 88.3 |
| 80.0 | 3.678 | 32.844 | 26.103 | 0.1931 | 6.529 | 2.5 | 88.1 |
| 90.0 | 3.945 | 32.918 | 26.135 | 0.2116 | 6.350 | 2.3 | 87.9 |
| 100.0 | 4.118 | 32.997 | 26.181 | 0.2296 | 6.158 | 2.2 | 87.7 |
| 110.0 | 4.006 | 33.024 | 26.214 | 0.2474 | 6.117 | 1.9 | 88.1 |
| 120.0 | 4.287 | 33.097 | 26.244 | 0.2648 | 6.085 | 1.8 | 88.3 |
| 130.0 | 4.652 | 33.212 | 26.297 | 0.2820 | 5.985 | 1.7 | 89.1 |
| 140.0 | 4.629 | 33.287 | 26.358 | 0.2985 | 5.944 | 1.8 | 87.2 |
| 150.0 | 4.631 | 33.288 | 26.359 | 0.3148 | 5.828 | 1.9 | 86.6 |
| 160.0 | 4.685 | 33.321 | 26.380 | 0.3310 | 5.789 | 2.0 | 82.0 |
| 164.0 | 4.687 | 33.322 | 26.380 | 0.3374 | 5.787 | 2.3 | 76.3 |



Cruise EN196 Consecutive Station # 106 Depth m:205 Time: 1989-05-29 00:27
 Position: 41° 45.87'N 69° 15.73'W Depth Deck Offset: -0.40 Fish 1

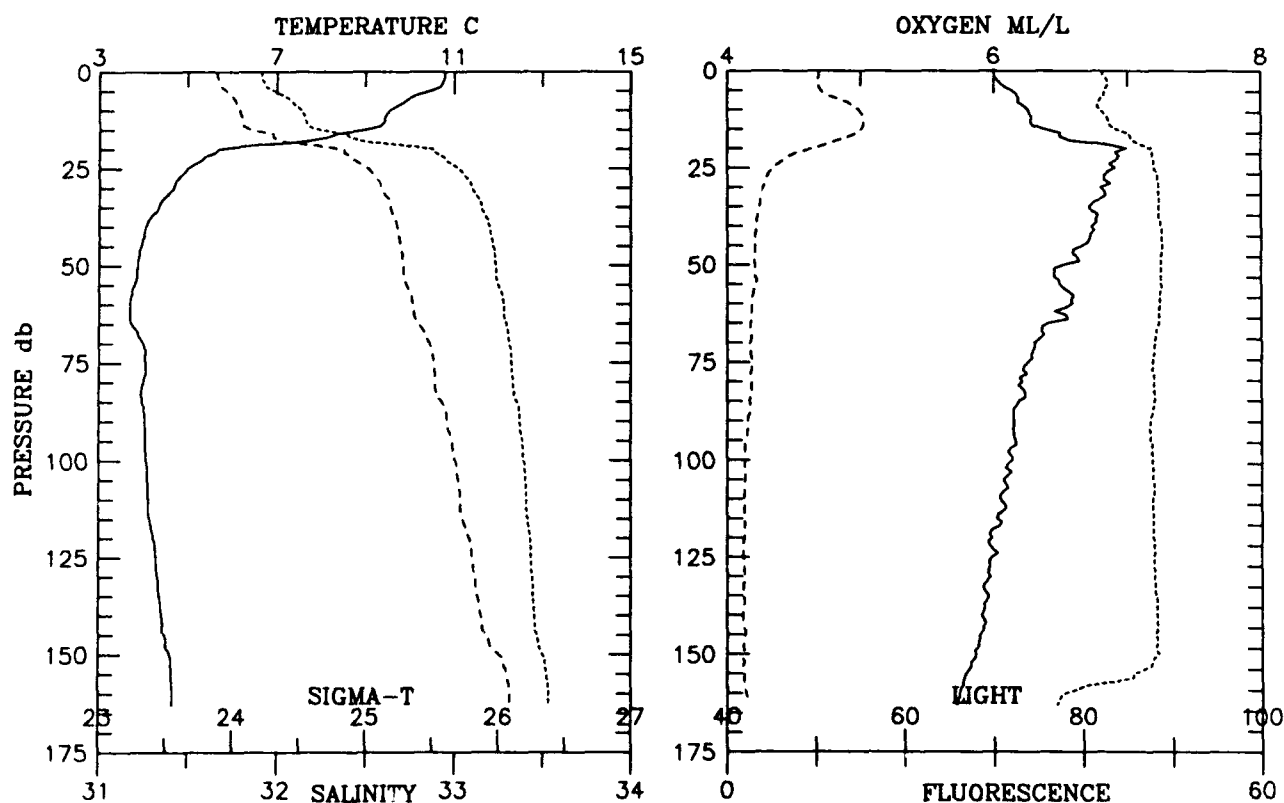
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.344 | 31.926 | 24.322 | 0.0000 | 5.812 | 8.3 |
| 10.0 | | 11.330 | 31.919 | 24.320 | 0.0357 | 5.901 | 8.2 |
| 20.0 | | 9.024 | 32.227 | 24.944 | 0.0697 | 6.357 | 10.5 |
| 30.0 | | 6.279 | 32.846 | 25.816 | 0.0940 | 7.005 | 11.1 |
| 40.0 | | 6.015 | 32.974 | 25.951 | 0.1147 | 6.551 | 4.4 |
| 50.0 | | 5.498 | 32.999 | 26.032 | 0.1344 | 6.500 | 3.6 |
| 60.0 | | 5.667 | 33.123 | 26.110 | 0.1533 | 6.297 | 3.9 |
| 70.0 | | 5.110 | 33.171 | 26.213 | 0.1713 | 6.222 | 2.8 |
| 80.0 | | 4.583 | 33.162 | 26.264 | 0.1887 | 6.179 | 6.1 |
| 90.0 | | 4.616 | 33.207 | 26.296 | 0.2056 | 6.058 | 3.3 |
| 100.0 | | 4.522 | 33.246 | 26.337 | 0.2222 | 6.025 | 1.9 |
| 110.0 | | 4.572 | 33.288 | 26.365 | 0.2385 | 5.987 | 1.6 |
| 120.0 | | 4.617 | 33.322 | 26.387 | 0.2546 | 5.894 | 1.8 |
| 130.0 | | 4.730 | 33.377 | 26.419 | 0.2704 | 5.791 | 1.6 |
| 140.0 | | 4.719 | 33.396 | 26.435 | 0.2861 | 5.753 | 1.7 |
| 150.0 | | 4.795 | 33.423 | 26.448 | 0.3015 | 5.707 | 1.9 |
| 160.0 | | 4.807 | 33.432 | 26.453 | 0.3170 | 5.641 | 2.1 |
| 170.0 | | 4.811 | 33.435 | 26.456 | 0.3324 | 5.640 | 2.2 |
| 180.0 | | 4.812 | 33.435 | 26.455 | 0.3478 | 5.636 | 2.2 |
| 190.0 | | 4.812 | 33.435 | 26.455 | 0.3632 | 5.599 | 2.2 |
| 200.0 | | 4.816 | 33.433 | 26.453 | 0.3787 | 5.623 | 5.7 |
| 201.0 | | 4.816 | 33.433 | 26.453 | 0.3802 | 5.604 | 6.3 |



Cruise EN196 Consecutive Station # 107 Depth m:168 Time: 1989-05-29 01:21
 Position: 41° 43.83'N 69° 22.85'W Depth Deck Offset: -0.40 Fish 1

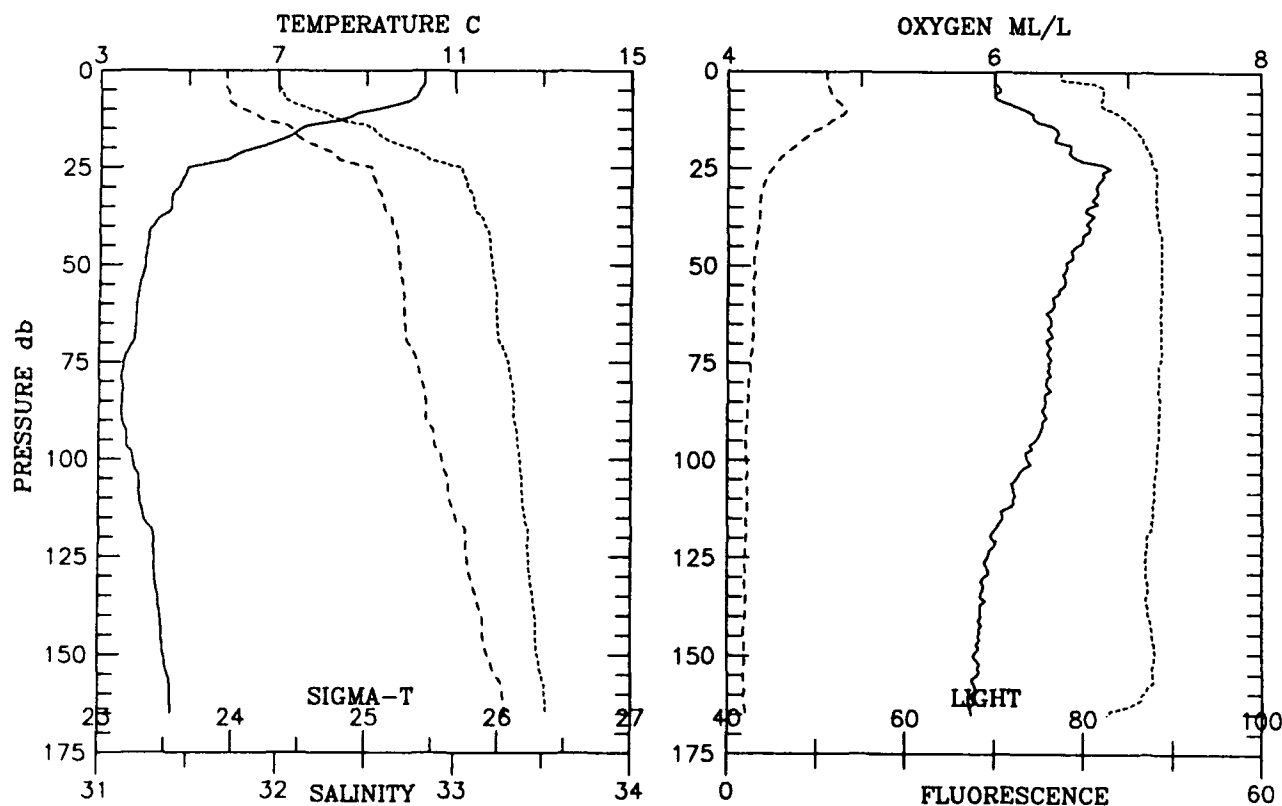
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 10.779 | 31.663 | 24.217 | 0.0000 | 6.001 | 10.3 |
| 10.0 | | 9.550 | 31.792 | 24.521 | 0.0355 | 6.261 | 14.8 |
| 20.0 | | 5.699 | 32.379 | 25.518 | 0.0666 | 6.989 | 9.5 |
| 30.0 | | 4.669 | 32.586 | 25.798 | 0.0892 | 6.799 | 4.0 |
| 40.0 | | 4.051 | 32.679 | 25.935 | 0.1100 | 6.735 | 3.3 |
| 50.0 | | 3.866 | 32.713 | 25.981 | 0.1299 | 6.522 | 3.1 |
| 60.0 | | 3.701 | 32.767 | 26.039 | 0.1495 | 6.582 | 2.7 |
| 70.0 | | 4.006 | 32.864 | 26.086 | 0.1685 | 6.302 | 2.6 |
| 80.0 | | 4.010 | 32.893 | 26.109 | 0.1871 | 6.210 | 2.7 |
| 90.0 | | 4.032 | 32.959 | 26.159 | 0.2054 | 6.148 | 2.3 |
| 100.0 | | 4.078 | 33.006 | 26.192 | 0.2234 | 6.132 | 1.9 |
| 110.0 | | 4.117 | 33.035 | 26.211 | 0.2410 | 6.046 | 1.8 |
| 120.0 | | 4.230 | 33.084 | 26.239 | 0.2586 | 5.979 | 1.9 |
| 130.0 | | 4.330 | 33.119 | 26.257 | 0.2759 | 5.970 | 1.9 |
| 140.0 | | 4.427 | 33.154 | 26.274 | 0.2930 | 5.903 | 1.8 |
| 150.0 | | 4.609 | 33.254 | 26.334 | 0.3099 | 5.860 | 1.8 |
| 160.0 | | 4.667 | 33.315 | 26.377 | 0.3262 | 5.741 | 2.1 |
| 163.0 | | 4.667 | 33.315 | 26.376 | 0.3310 | 5.719 | 2.3 |



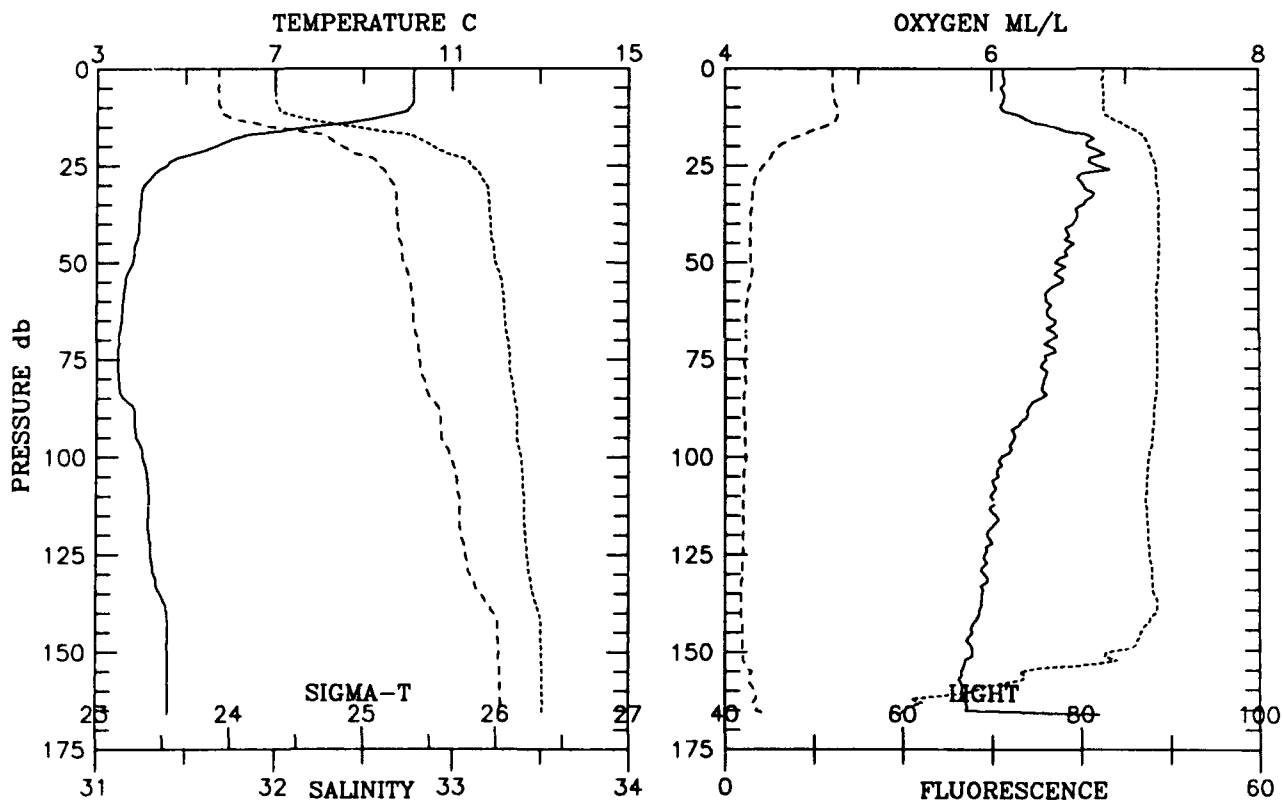
Cruise EN196 Consecutive Station # 108 Depth m:169 Time: 1989-05-29 04:42
 Position: 41° 43.83'N 69° 22.92'W Depth Deck Offset: -0.40 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.311 | 31.711 | 24.333 | 0.0000 | 6.010 | 11.2 |
| 10.0 | | 9.234 | 31.797 | 24.575 | 0.0351 | 6.238 | 13.3 |
| 20.0 | | 6.475 | 32.247 | 25.318 | 0.0644 | 6.569 | 7.1 |
| 30.0 | | 4.778 | 32.549 | 25.757 | 0.0877 | 6.767 | 3.9 |
| 40.0 | | 4.212 | 32.653 | 25.898 | 0.1089 | 6.720 | 3.5 |
| 50.0 | | 4.016 | 32.688 | 25.946 | 0.1292 | 6.541 | 2.9 |
| 60.0 | | 3.852 | 32.714 | 25.983 | 0.1490 | 6.452 | 2.9 |
| 70.0 | | 3.755 | 32.736 | 26.009 | 0.1687 | 6.404 | 2.8 |
| 80.0 | | 3.510 | 32.816 | 26.097 | 0.1876 | 6.383 | 2.3 |
| 90.0 | | 3.519 | 32.843 | 26.117 | 0.2062 | 6.361 | 2.2 |
| 100.0 | | 3.770 | 32.931 | 26.163 | 0.2244 | 6.249 | 2.1 |
| 110.0 | | 3.928 | 32.975 | 26.183 | 0.2424 | 6.136 | 2.2 |
| 120.0 | | 4.242 | 33.065 | 26.223 | 0.2601 | 5.978 | 2.0 |
| 130.0 | | 4.278 | 33.091 | 26.240 | 0.2775 | 5.920 | 1.9 |
| 140.0 | | 4.405 | 33.159 | 26.281 | 0.2947 | 5.899 | 2.0 |
| 150.0 | | 4.479 | 33.191 | 26.298 | 0.3117 | 5.843 | 1.9 |
| 160.0 | | 4.618 | 33.274 | 26.349 | 0.3283 | 5.817 | 1.8 |
| 165.0 | | 4.631 | 33.287 | 26.358 | 0.3364 | 5.825 | 2.0 |



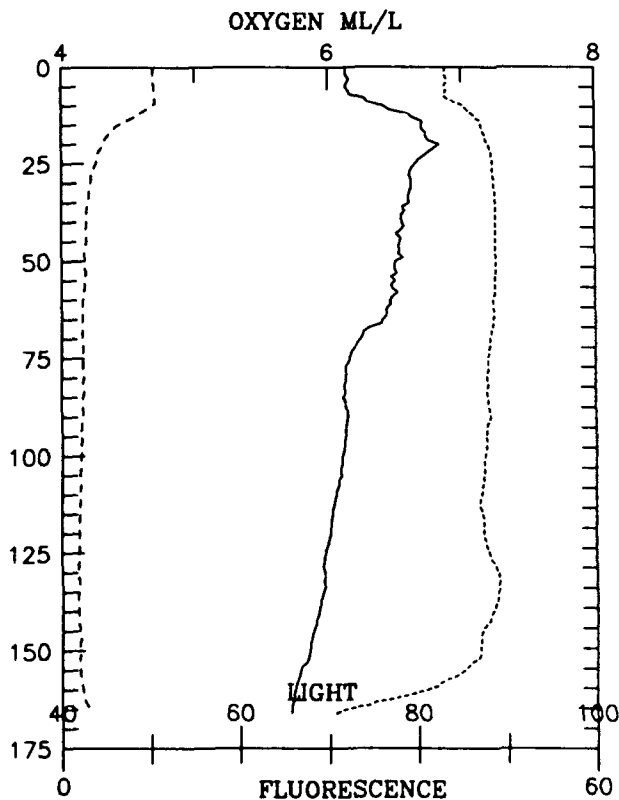
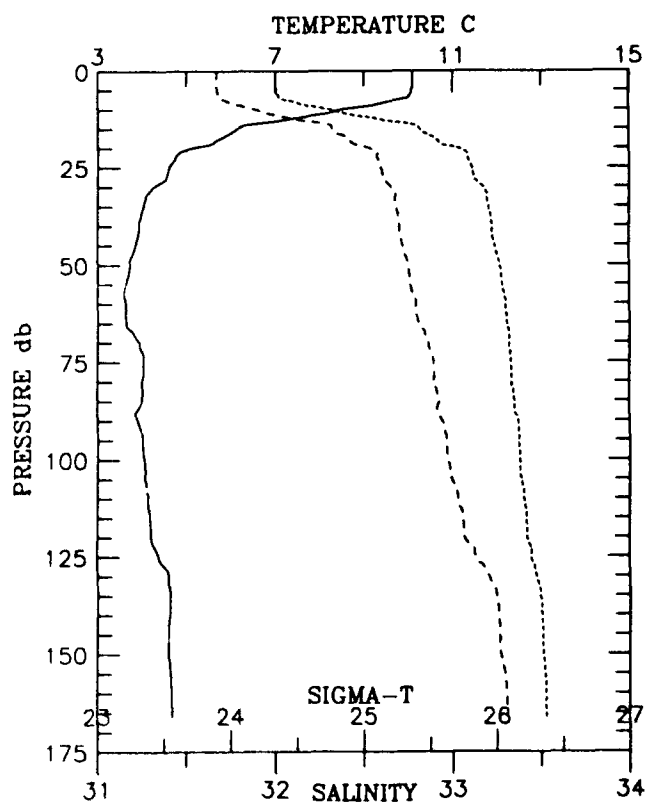
Cruise EN196 Consecutive Station # 109 Depth # 169 Time: 1989-05-29 07:16
 Position: 41° 43.78'N 69° 22.83'W Depth Deck Offset: -0.40 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.141 | 31.685 | 24.342 | 0.0000 | 6.087 | 12.1 | 82.5 |
| 10.0 | | 10.049 | 31.697 | 24.366 | 0.0354 | 6.071 | 12.7 | 82.6 |
| 20.0 | | 5.671 | 32.378 | 25.520 | 0.0651 | 6.715 | 6.1 | 87.7 |
| 30.0 | | 4.061 | 32.673 | 25.929 | 0.0867 | 6.691 | 3.2 | 88.6 |
| 40.0 | | 3.951 | 32.697 | 25.960 | 0.1068 | 6.610 | 2.9 | 88.8 |
| 50.0 | | 3.812 | 32.729 | 25.998 | 0.1266 | 6.475 | 2.9 | 88.7 |
| 60.0 | | 3.597 | 32.780 | 26.060 | 0.1458 | 6.409 | 2.5 | 88.6 |
| 70.0 | | 3.516 | 32.807 | 26.089 | 0.1647 | 6.435 | 2.3 | 88.5 |
| 80.0 | | 3.503 | 32.841 | 26.117 | 0.1833 | 6.391 | 2.2 | 88.5 |
| 90.0 | | 3.858 | 32.935 | 26.158 | 0.2016 | 6.255 | 2.2 | 88.1 |
| 100.0 | | 4.039 | 32.995 | 26.187 | 0.2196 | 6.069 | 2.3 | 87.6 |
| 110.0 | | 4.191 | 33.042 | 26.210 | 0.2373 | 5.988 | 2.0 | 87.2 |
| 120.0 | | 4.192 | 33.055 | 26.220 | 0.2549 | 5.962 | 2.0 | 87.5 |
| 130.0 | | 4.290 | 33.103 | 26.248 | 0.2724 | 5.945 | 1.9 | 87.9 |
| 140.0 | | 4.596 | 33.239 | 26.324 | 0.2893 | 5.905 | 1.8 | 88.3 |
| 150.0 | | 4.615 | 33.267 | 26.344 | 0.3058 | 5.849 | 1.9 | 82.8 |
| 160.0 | | 4.623 | 33.276 | 26.350 | 0.3222 | 5.770 | 3.3 | 67.9 |
| 166.0 | | 4.624 | 33.276 | 26.350 | 0.3321 | 6.803 | 4.6 | 59.4 |



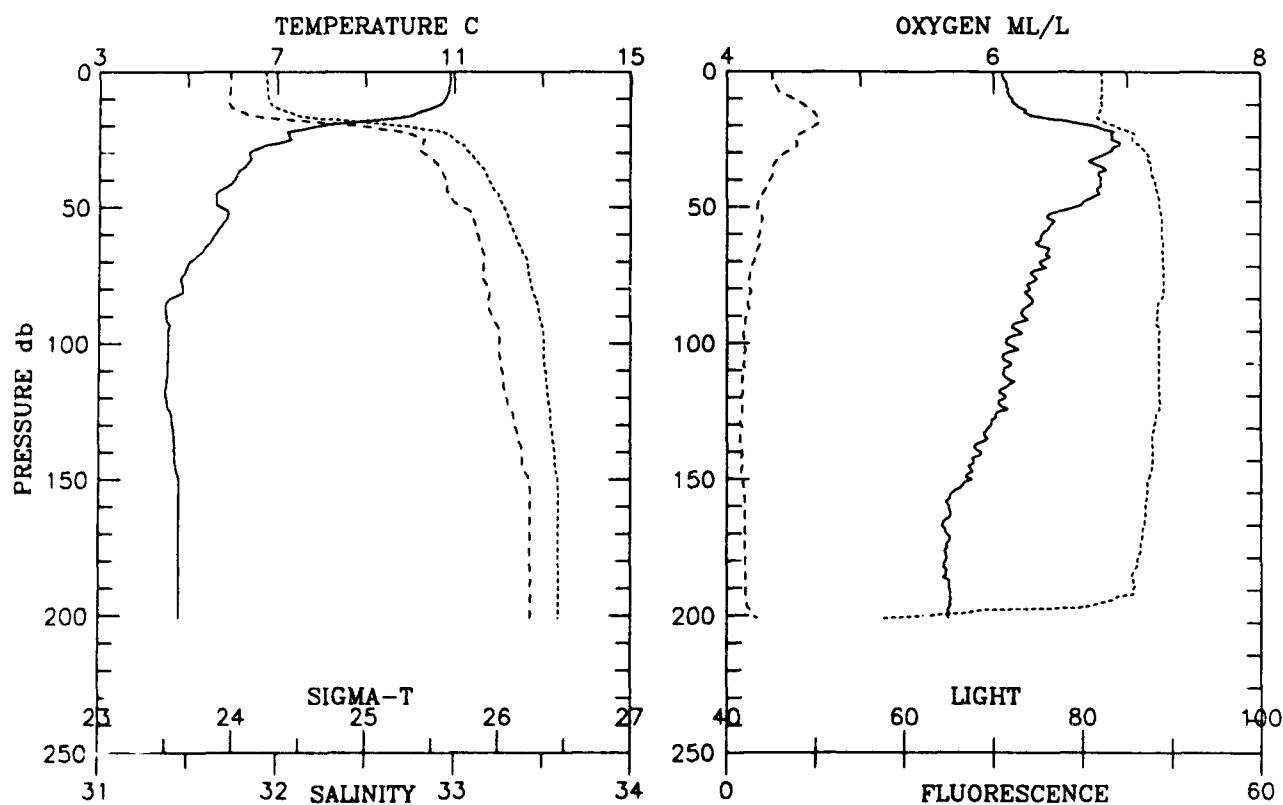
Cruise EN196 Consecutive Station # 110 Depth m:166 Time: 1989-05-29 10:03
 Position: 41° 43.70'N 69° 23.04'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.104 | 31.670 | 24.336 | 0.0000 | 6.137 | 10.4 | 83.2 |
| 10.0 | 8.481 | 31.890 | 24.762 | 0.0348 | 6.421 | 10.1 | 85.2 |
| 20.0 | 5.109 | 32.532 | 25.707 | 0.0608 | 6.835 | 4.7 | 88.0 |
| 30.0 | 4.252 | 32.652 | 25.894 | 0.0822 | 6.623 | 3.2 | 88.6 |
| 40.0 | 3.931 | 32.699 | 25.963 | 0.1024 | 6.556 | 2.8 | 88.8 |
| 50.0 | 3.726 | 32.748 | 26.021 | 0.1221 | 6.502 | 2.6 | 88.8 |
| 60.0 | 3.636 | 32.793 | 26.066 | 0.1412 | 6.464 | 2.4 | 88.5 |
| 70.0 | 3.942 | 32.862 | 26.092 | 0.1600 | 6.240 | 2.3 | 88.1 |
| 80.0 | 4.005 | 32.893 | 26.110 | 0.1786 | 6.125 | 2.5 | 87.8 |
| 90.0 | 3.900 | 32.940 | 26.158 | 0.1970 | 6.144 | 2.4 | 88.1 |
| 100.0 | 4.054 | 32.976 | 26.171 | 0.2150 | 6.096 | 2.1 | 87.5 |
| 110.0 | 4.136 | 33.030 | 26.205 | 0.2329 | 6.055 | 2.0 | 87.1 |
| 120.0 | 4.206 | 33.066 | 26.227 | 0.2504 | 6.012 | 1.9 | 87.3 |
| 130.0 | 4.602 | 33.205 | 26.296 | 0.2676 | 5.965 | 1.8 | 88.9 |
| 140.0 | 4.626 | 33.260 | 26.337 | 0.2842 | 5.919 | 1.8 | 88.3 |
| 150.0 | 4.608 | 33.270 | 26.347 | 0.3006 | 5.853 | 1.9 | 86.9 |
| 160.0 | 4.673 | 33.306 | 26.368 | 0.3169 | 5.746 | 2.3 | 80.9 |
| 166.0 | 4.686 | 33.310 | 26.370 | 0.3266 | 5.713 | 2.8 | 70.7 |



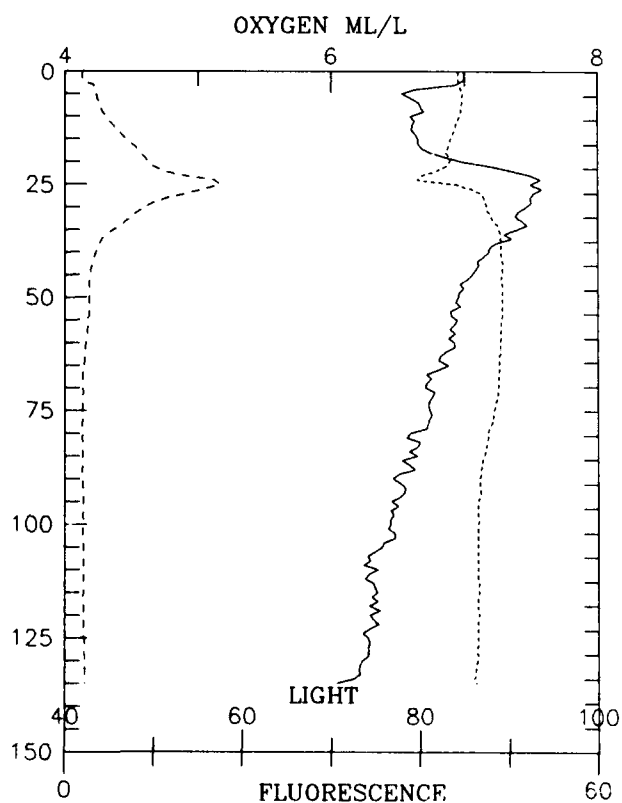
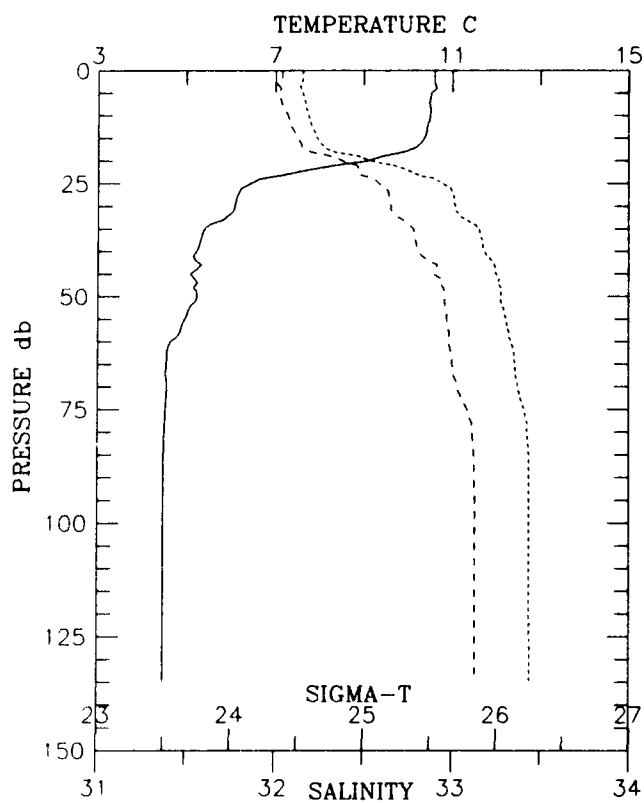
Cruise EN196 Consecutive Station # 111 Depth m:207 Time: 1989-05-29 12:22
 Position: 41° 45.70'N 69° 15.97'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.920 | 31.741 | 24.253 | 0.0000 | 6.070 | 5.1 | 82.2 |
| 10.0 | 10.779 | 31.730 | 24.269 | 0.0363 | 6.139 | 7.5 | 82.0 |
| 20.0 | 7.916 | 32.471 | 25.301 | 0.0697 | 6.756 | 9.9 | 83.7 |
| 30.0 | 6.377 | 32.824 | 25.786 | 0.0927 | 6.855 | 6.5 | 87.2 |
| 40.0 | 6.036 | 32.953 | 25.931 | 0.1136 | 6.802 | 4.8 | 88.1 |
| 50.0 | 5.724 | 33.048 | 26.044 | 0.1333 | 6.598 | 3.4 | 88.6 |
| 60.0 | 5.612 | 33.133 | 26.125 | 0.1522 | 6.362 | 3.6 | 88.9 |
| 70.0 | 5.040 | 33.170 | 26.220 | 0.1701 | 6.344 | 3.0 | 89.0 |
| 80.0 | 4.891 | 33.197 | 26.258 | 0.1875 | 6.279 | 2.6 | 89.1 |
| 90.0 | 4.525 | 33.217 | 26.314 | 0.2044 | 6.230 | 2.2 | 88.4 |
| 100.0 | 4.561 | 33.257 | 26.341 | 0.2209 | 6.095 | 1.8 | 88.5 |
| 110.0 | 4.550 | 33.274 | 26.356 | 0.2372 | 6.080 | 1.9 | 88.5 |
| 120.0 | 4.526 | 33.299 | 26.379 | 0.2534 | 6.087 | 1.6 | 88.6 |
| 130.0 | 4.664 | 33.347 | 26.402 | 0.2694 | 5.982 | 1.5 | 88.0 |
| 140.0 | 4.706 | 33.382 | 26.425 | 0.2851 | 5.905 | 1.6 | 87.8 |
| 150.0 | 4.803 | 33.425 | 26.449 | 0.3007 | 5.838 | 1.8 | 87.3 |
| 160.0 | 4.809 | 33.431 | 26.453 | 0.3161 | 5.668 | 2.0 | 87.0 |
| 170.0 | 4.810 | 33.432 | 26.454 | 0.3315 | 5.653 | 2.1 | 86.7 |
| 180.0 | 4.809 | 33.432 | 26.454 | 0.3469 | 5.644 | 2.1 | 86.1 |
| 190.0 | 4.809 | 33.432 | 26.454 | 0.3624 | 5.669 | 2.1 | 85.6 |
| 200.0 | 4.810 | 33.432 | 26.454 | 0.3778 | 5.654 | 3.0 | 62.3 |
| 201.0 | 4.810 | 33.432 | 26.454 | 0.3794 | 5.661 | 3.4 | 57.6 |



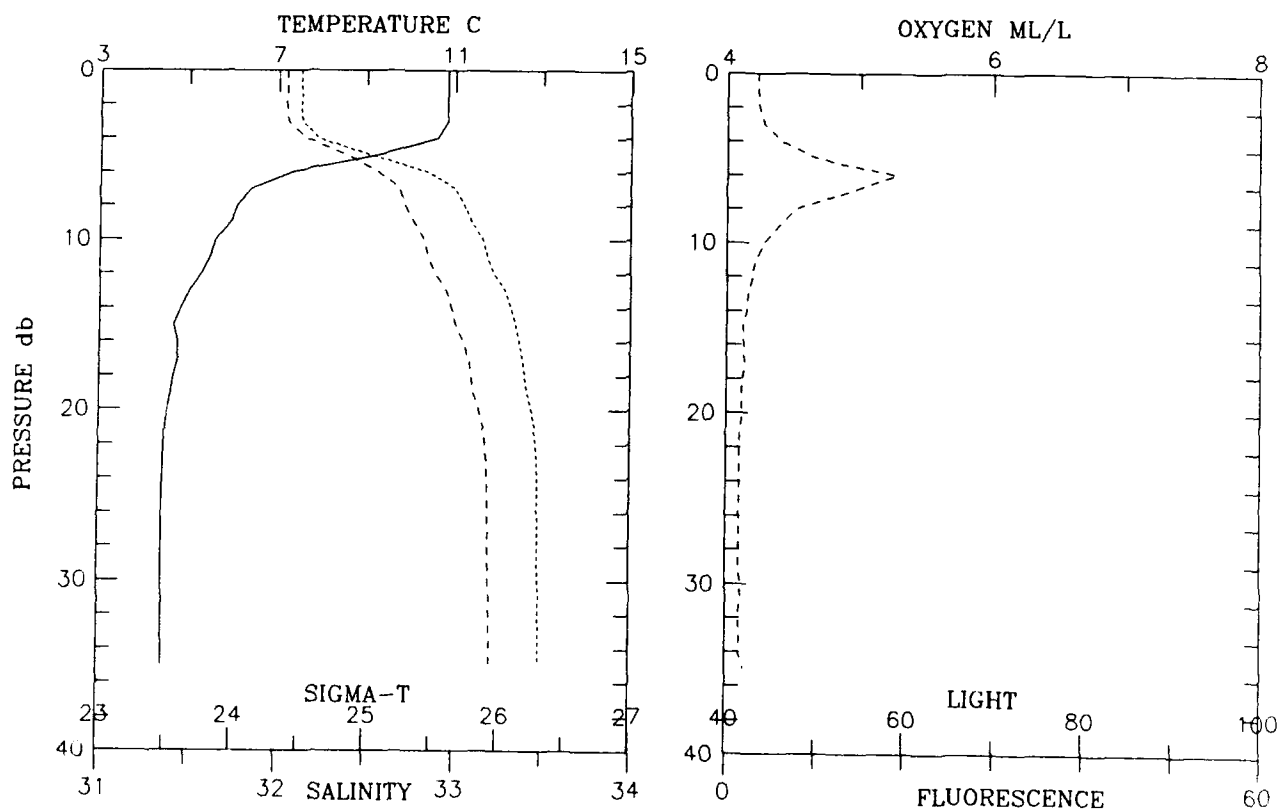
Cruise EN196 Consecutive Station # 112 Depth m:138 Time: 1989-05-29 18:33
 Position: 41° 29.41'N 68° 43.76'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.592 | 32.037 | 24.540 | 0.0000 | 6.994 | 1.9 | 84.3 |
| 10.0 | | 10.499 | 32.070 | 24.582 | 0.0335 | 6.594 | 4.6 | 84.4 |
| 20.0 | | 9.083 | 32.375 | 25.050 | 0.0655 | 6.982 | 9.4 | 83.3 |
| 30.0 | | 6.081 | 32.652 | 25.688 | 0.0898 | 7.457 | 8.9 | 87.5 |
| 40.0 | | 5.224 | 32.803 | 25.909 | 0.1111 | 7.179 | 3.5 | 89.1 |
| 50.0 | | 5.231 | 32.959 | 26.032 | 0.1307 | 6.952 | 2.7 | 89.2 |
| 60.0 | | 4.643 | 32.978 | 26.111 | 0.1497 | 6.924 | 2.4 | 89.0 |
| 70.0 | | 4.557 | 33.027 | 26.160 | 0.1680 | 6.702 | 2.0 | 88.8 |
| 80.0 | | 4.508 | 33.113 | 26.233 | 0.1857 | 6.591 | 2.0 | 87.6 |
| 90.0 | | 4.487 | 33.126 | 26.246 | 0.2030 | 6.462 | 2.0 | 86.7 |
| 100.0 | | 4.483 | 33.127 | 26.247 | 0.2203 | 6.441 | 2.1 | 86.5 |
| 110.0 | | 4.481 | 33.128 | 26.248 | 0.2376 | 6.351 | 2.1 | 86.5 |
| 120.0 | | 4.482 | 33.128 | 26.248 | 0.2549 | 6.285 | 2.1 | 86.6 |
| 130.0 | | 4.479 | 33.130 | 26.250 | 0.2722 | 6.229 | 2.2 | 86.4 |
| 135.0 | | 4.478 | 33.131 | 26.251 | 0.2808 | 6.041 | 2.2 | 86.3 |



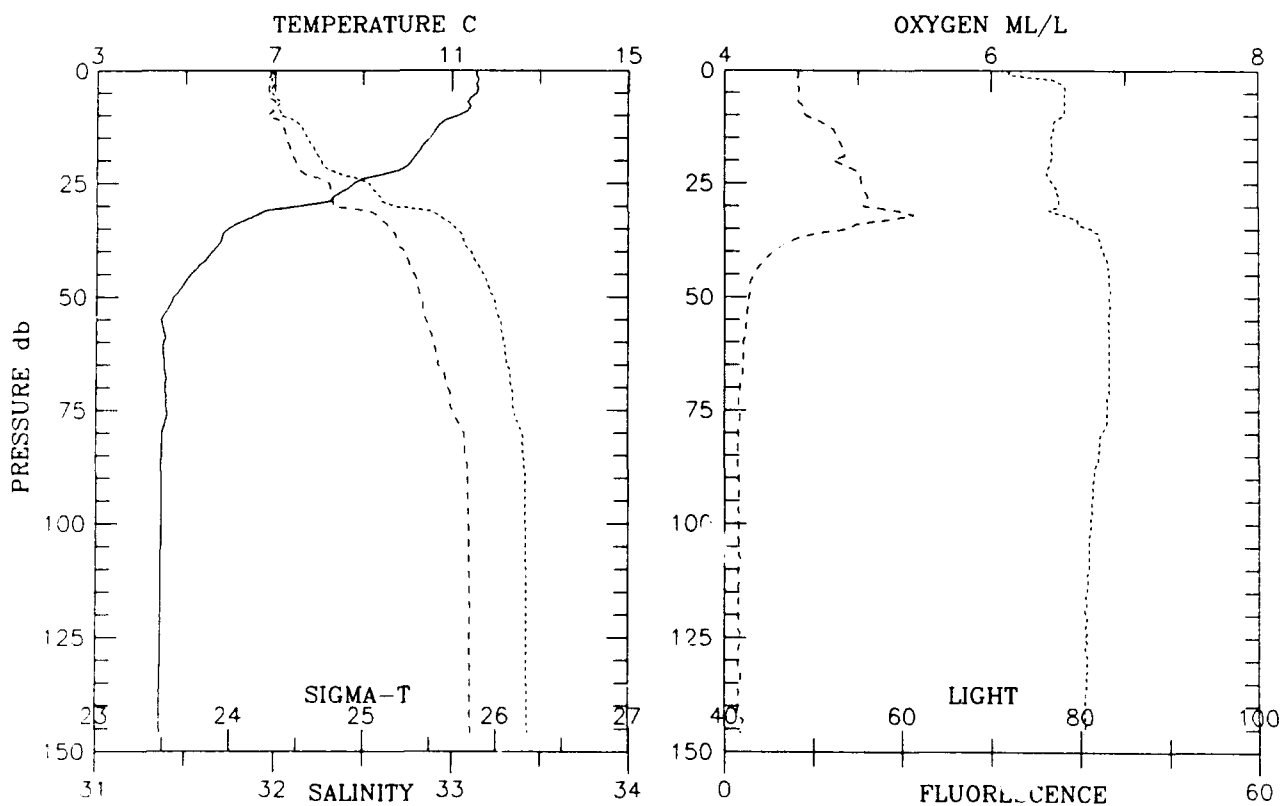
Cruise EN196 Consecutive Station # 114 Depth m:152 Time: 1989-05-30 12:47
 Position: 41° 31.04'N 68° 45.12'W Depth Deck Offset: -0.30 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.838 | 32.048 | 24.506 | 0.0000 | 0.000 | 3.4 | 0.0 |
| 5.0 | 9.291 | 32.385 | 25.026 | 0.0169 | 0.000 | 10.0 | 0.0 |
| 10.0 | 5.615 | 32.828 | 25.883 | 0.0288 | 0.000 | 4.2 | 0.0 |
| 15.0 | 4.672 | 33.007 | 26.131 | 0.0388 | 0.000 | 1.8 | 0.0 |
| 20.0 | 4.542 | 33.145 | 26.255 | 0.0481 | 0.000 | 1.7 | 0.0 |
| 25.0 | 4.449 | 33.196 | 26.305 | 0.0568 | 0.000 | 1.5 | 0.0 |
| 30.0 | 4.449 | 33.205 | 26.312 | 0.0655 | 0.000 | 1.7 | 0.0 |
| 35.0 | 4.452 | 33.213 | 26.318 | 0.0741 | 0.000 | 2.1 | 0.0 |



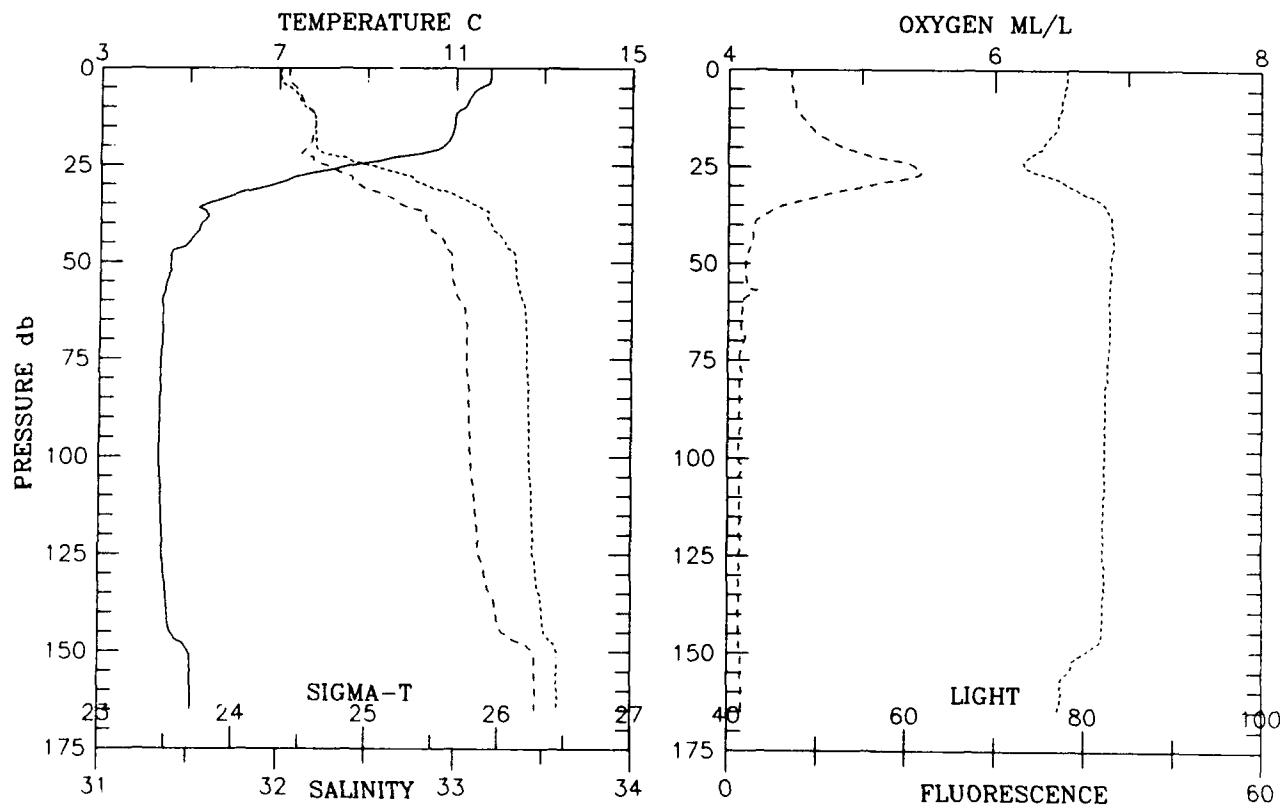
Cruise EN196 Consecutive Station # 116 Depth m:150 Time: 1989-06-01 00:38
 Position: 41° 27.37'N 68° 50.80'W Depth Deck Offset: -0.78 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.563 | 31.975 | 24.321 | 0.0000 | 0.000 | 8.3 |
| 10.0 | | 11.168 | 31.957 | 24.378 | 0.0359 | 0.000 | 9.1 |
| 20.0 | | 10.105 | 32.116 | 24.684 | 0.0695 | 0.000 | 12.2 |
| 30.0 | | 7.582 | 32.331 | 25.238 | 0.0994 | 0.000 | 15.6 |
| 40.0 | | 5.600 | 32.735 | 25.811 | 0.1227 | 0.000 | 5.4 |
| 50.0 | | 4.743 | 32.829 | 25.983 | 0.1437 | 0.000 | 2.7 |
| 60.0 | | 4.518 | 32.895 | 26.059 | 0.1635 | 0.000 | 2.1 |
| 70.0 | | 4.556 | 32.981 | 26.123 | 0.1827 | 0.000 | 1.7 |
| 80.0 | | 4.482 | 33.073 | 26.204 | 0.2014 | 0.000 | 1.5 |
| 90.0 | | 4.473 | 33.093 | 26.221 | 0.2194 | 0.000 | 1.5 |
| 100.0 | | 4.470 | 33.095 | 26.223 | 0.2374 | 0.000 | 1.5 |
| 110.0 | | 4.460 | 33.101 | 26.229 | 0.2554 | 0.000 | 1.5 |
| 120.0 | | 4.451 | 33.105 | 26.233 | 0.2733 | 0.000 | 1.5 |
| 130.0 | | 4.453 | 33.104 | 26.232 | 0.2912 | 0.000 | 1.5 |
| 140.0 | | 4.443 | 33.107 | 26.235 | 0.3091 | 0.000 | 1.5 |
| 146.0 | | 4.440 | 33.107 | 26.235 | 0.3198 | 0.000 | 1.8 |



Cruise EN196 Consecutive Station # 117 Depth m:169 Time: 1989-06-01 06:44
 Position: 41° 41.49'N 68° 40.32'W Depth Deck Offset: -0.78 Fish 1

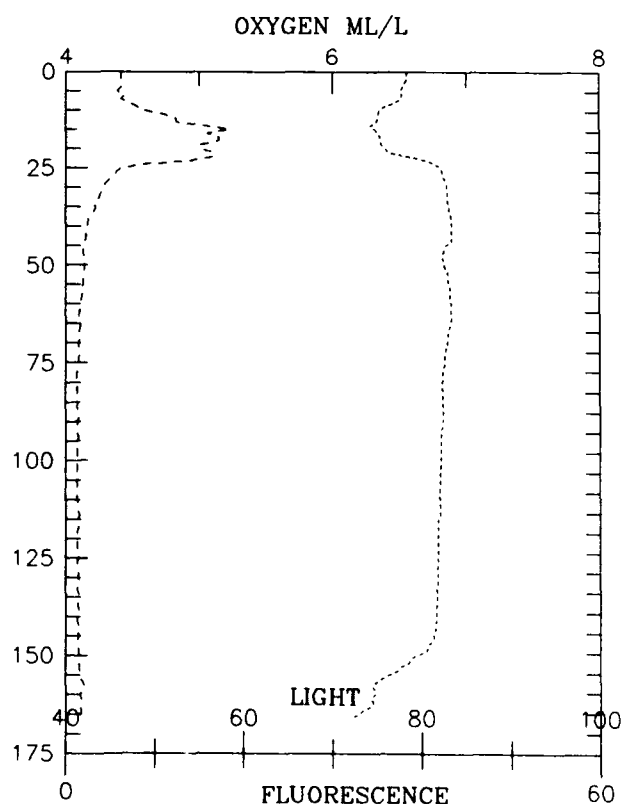
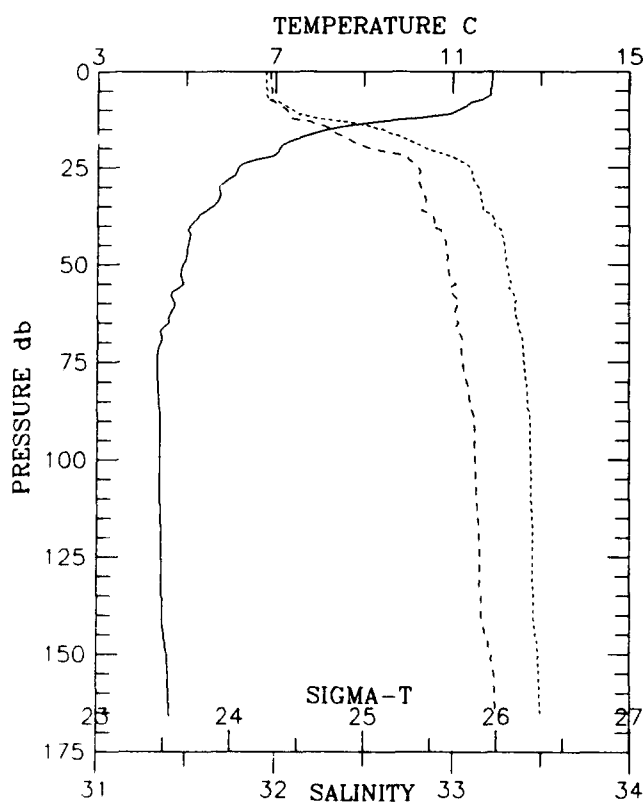
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.778 | 32.055 | 24.344 | 0.0000 | 0.000 | 7.0 |
| 10.0 | | 11.206 | 32.157 | 24.527 | 0.0351 | 0.000 | 7.6 |
| 20.0 | | 10.761 | 32.170 | 24.615 | 0.0685 | 0.000 | 13.0 |
| 30.0 | | 6.898 | 32.451 | 25.425 | 0.0980 | 0.000 | 15.6 |
| 40.0 | | 5.279 | 32.840 | 25.932 | 0.1204 | 0.000 | 2.9 |
| 50.0 | | 4.592 | 32.981 | 26.119 | 0.1400 | 0.000 | 1.9 |
| 60.0 | | 4.400 | 33.027 | 26.176 | 0.1588 | 0.000 | 1.6 |
| 70.0 | | 4.409 | 33.067 | 26.207 | 0.1769 | 0.000 | 1.8 |
| 80.0 | | 4.374 | 33.074 | 26.216 | 0.1950 | 0.000 | 1.3 |
| 90.0 | | 4.352 | 33.081 | 26.224 | 0.2130 | 0.000 | 1.3 |
| 100.0 | | 4.361 | 33.094 | 26.233 | 0.2309 | 0.000 | 1.4 |
| 110.0 | | 4.383 | 33.111 | 26.245 | 0.2487 | 0.000 | 1.3 |
| 120.0 | | 4.415 | 33.131 | 26.257 | 0.2664 | 0.000 | 1.3 |
| 130.0 | | 4.476 | 33.173 | 26.284 | 0.2840 | 0.000 | 1.3 |
| 140.0 | | 4.548 | 33.239 | 26.329 | 0.3012 | 0.000 | 1.2 |
| 150.0 | | 5.029 | 33.450 | 26.443 | 0.3178 | 0.000 | 1.4 |
| 160.0 | | 5.081 | 33.462 | 26.447 | 0.3338 | 0.000 | 1.6 |
| 165.0 | | 5.080 | 33.461 | 26.446 | 0.3418 | 0.000 | 1.6 |



Cruise EN196 Consecutive Station # 118 Depth m:168 Time: 1989-06-01 12:04
 Position: 41° 41.31'N 68° 39.98'W Depth Deck Offset: -0.78 Fish 1

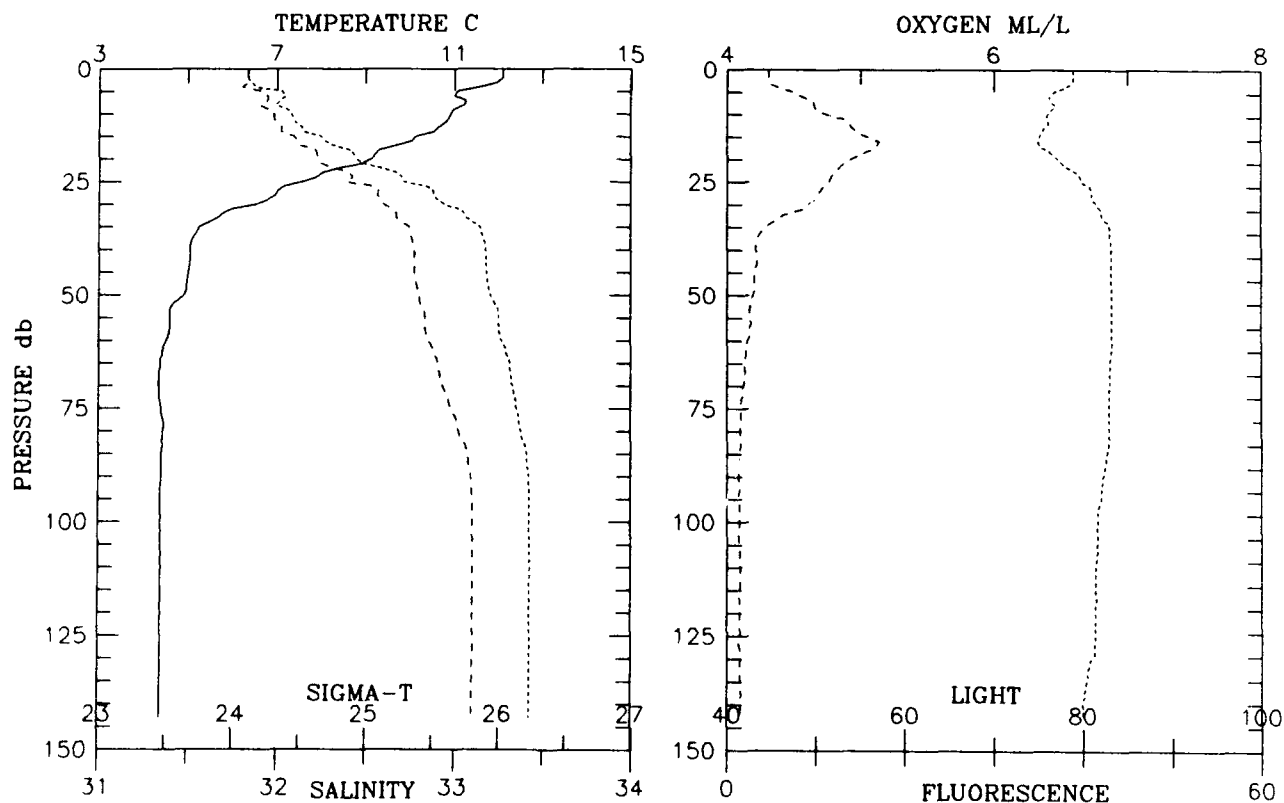
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 11.889 | 31.972 | 24.259 | 0.0000 | 0.000 | 6.2 |
| 10.0 | | 11.133 | 32.068 | 24.470 | 0.0362 | 0.000 | 8.9 |
| 20.0 | | 7.091 | 32.529 | 25.461 | 0.0654 | 0.000 | 15.1 |
| 30.0 | | 5.724 | 32.820 | 25.864 | 0.0879 | 0.000 | 4.1 |
| 40.0 | | 5.096 | 32.880 | 25.984 | 0.1087 | 0.000 | 2.3 |
| 50.0 | | 4.929 | 32.971 | 26.075 | 0.1283 | 0.000 | 2.1 |
| 60.0 | | 4.746 | 33.028 | 26.140 | 0.1473 | 0.000 | 1.7 |
| 70.0 | | 4.425 | 33.049 | 26.191 | 0.1659 | 0.000 | 1.4 |
| 80.0 | | 4.364 | 33.083 | 26.224 | 0.1840 | 0.000 | 1.3 |
| 90.0 | | 4.416 | 33.122 | 26.250 | 0.2018 | 0.000 | 1.3 |
| 100.0 | | 4.412 | 33.128 | 26.255 | 0.2195 | 0.000 | 1.3 |
| 110.0 | | 4.419 | 33.136 | 26.261 | 0.2371 | 0.000 | 1.3 |
| 120.0 | | 4.444 | 33.151 | 26.270 | 0.2547 | 0.000 | 1.3 |
| 130.0 | | 4.454 | 33.155 | 26.272 | 0.2722 | 0.000 | 1.4 |
| 140.0 | | 4.471 | 33.163 | 26.277 | 0.2897 | 0.000 | 1.3 |
| 150.0 | | 4.586 | 33.224 | 26.313 | 0.3071 | 0.000 | 1.5 |
| 160.0 | | 4.622 | 33.239 | 26.321 | 0.3242 | 0.000 | 1.6 |
| 166.0 | | 4.642 | 33.250 | 26.328 | 0.3345 | 0.000 | 1.8 |



Cruise EN196 Consecutive Station # 119 Depth m:148 Time: 1989-06-02 09:20
 Position: 41° 27.28'N 68° 50.92'W Depth Deck Offset: -1.15 Fish 1

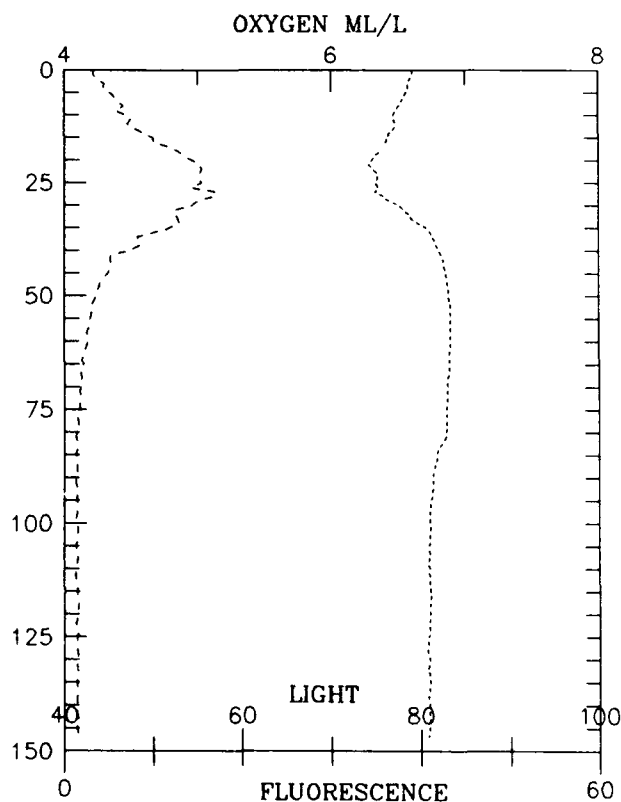
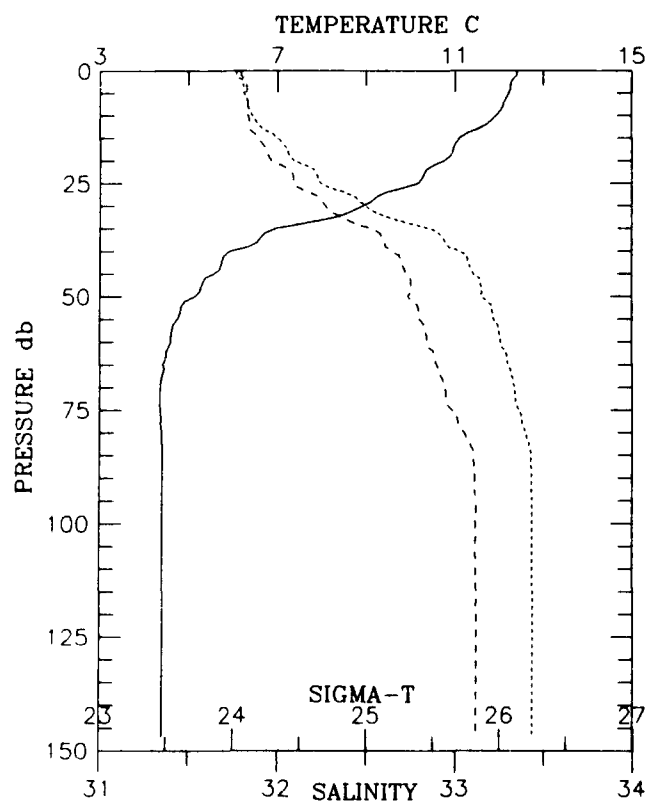
| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.094 | 31.834 | 24.114 | 0.0000 | 0.000 | 4.6 | 78.9 |
| 10.0 | | 10.910 | 31.982 | 24.443 | 0.0365 | 0.000 | 11.3 | 76.0 |
| 20.0 | | 9.129 | 32.234 | 24.933 | 0.0693 | 0.000 | 13.7 | 77.3 |
| 30.0 | | 6.514 | 32.602 | 25.594 | 0.0959 | 0.000 | 9.0 | 81.6 |
| 40.0 | | 5.058 | 32.775 | 25.905 | 0.1177 | 0.000 | 3.2 | 83.1 |
| 50.0 | | 4.921 | 32.800 | 25.940 | 0.1385 | 0.000 | 2.9 | 83.2 |
| 60.0 | | 4.531 | 32.854 | 26.025 | 0.1586 | 0.000 | 2.3 | 83.2 |
| 70.0 | | 4.358 | 32.935 | 26.108 | 0.1779 | 0.000 | 1.8 | 82.9 |
| 80.0 | | 4.462 | 33.029 | 26.171 | 0.1966 | 0.000 | 1.5 | 82.9 |
| 90.0 | | 4.409 | 33.097 | 26.231 | 0.2147 | 0.000 | 1.2 | 82.2 |
| 100.0 | | 4.407 | 33.106 | 26.238 | 0.2326 | 0.000 | 1.4 | 81.7 |
| 110.0 | | 4.407 | 33.107 | 26.239 | 0.2504 | 0.000 | 1.5 | 81.4 |
| 120.0 | | 4.407 | 33.106 | 26.238 | 0.2682 | 0.000 | 1.4 | 81.4 |
| 130.0 | | 4.406 | 33.105 | 26.237 | 0.2861 | 0.000 | 1.4 | 80.8 |
| 140.0 | | 4.406 | 33.104 | 26.237 | 0.3039 | 0.000 | 1.5 | 79.9 |
| 143.0 | | 4.406 | 33.104 | 26.237 | 0.3093 | 0.000 | 1.5 | 80.0 |



Cruise EN196 Consecutive Station # 120 Depth m:158 Time: 1989-06-01 19:00
 Position: 41° 27.23'N 68° 50.80'W Depth Deck Offset: -0.63 Fish 1

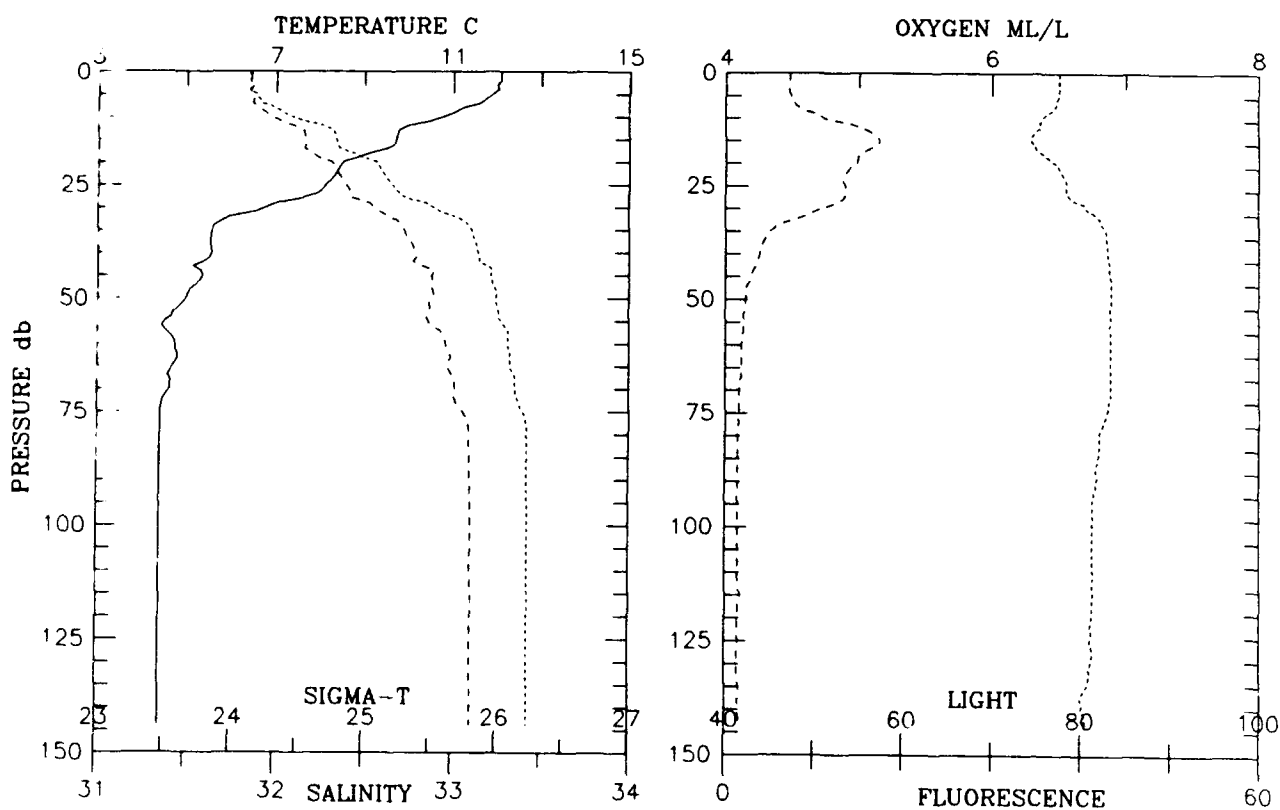
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 12.408 | 31.794 | 24.024 | 0.0000 | 0.000 | 3.2 |
| 10.0 | | 11.931 | 31.835 | 24.145 | 0.0383 | 0.000 | 6.9 |
| 20.0 | | 10.741 | 31.965 | 24.458 | 0.0744 | 0.000 | 14.4 |
| 30.0 | | 8.922 | 32.269 | 24.993 | 0.1066 | 0.000 | 14.4 |
| 40.0 | | 5.926 | 32.644 | 25.700 | 0.1326 | 0.000 | 7.3 |
| 50.0 | | 5.141 | 32.732 | 25.862 | 0.1544 | 0.000 | 3.6 |
| 60.0 | | 4.596 | 32.843 | 26.010 | 0.1748 | 0.000 | 2.6 |
| 70.0 | | 4.364 | 32.942 | 26.112 | 0.1943 | 0.000 | 1.8 |
| 80.0 | | 4.392 | 33.048 | 26.194 | 0.2129 | 0.000 | 1.4 |
| 90.0 | | 4.417 | 33.111 | 26.241 | 0.2308 | 0.000 | 1.3 |
| 100.0 | | 4.418 | 33.115 | 26.244 | 0.2486 | 0.000 | 1.4 |
| 110.0 | | 4.418 | 33.116 | 26.245 | 0.2664 | 0.000 | 1.3 |
| 120.0 | | 4.419 | 33.116 | 26.245 | 0.2841 | 0.000 | 1.4 |
| 130.0 | | 4.418 | 33.116 | 26.245 | 0.3019 | 0.000 | 1.4 |
| 140.0 | | 4.419 | 33.116 | 26.245 | 0.3197 | 0.000 | 1.4 |
| 147.0 | | 4.419 | 33.116 | 26.245 | 0.3322 | 0.000 | 1.4 |



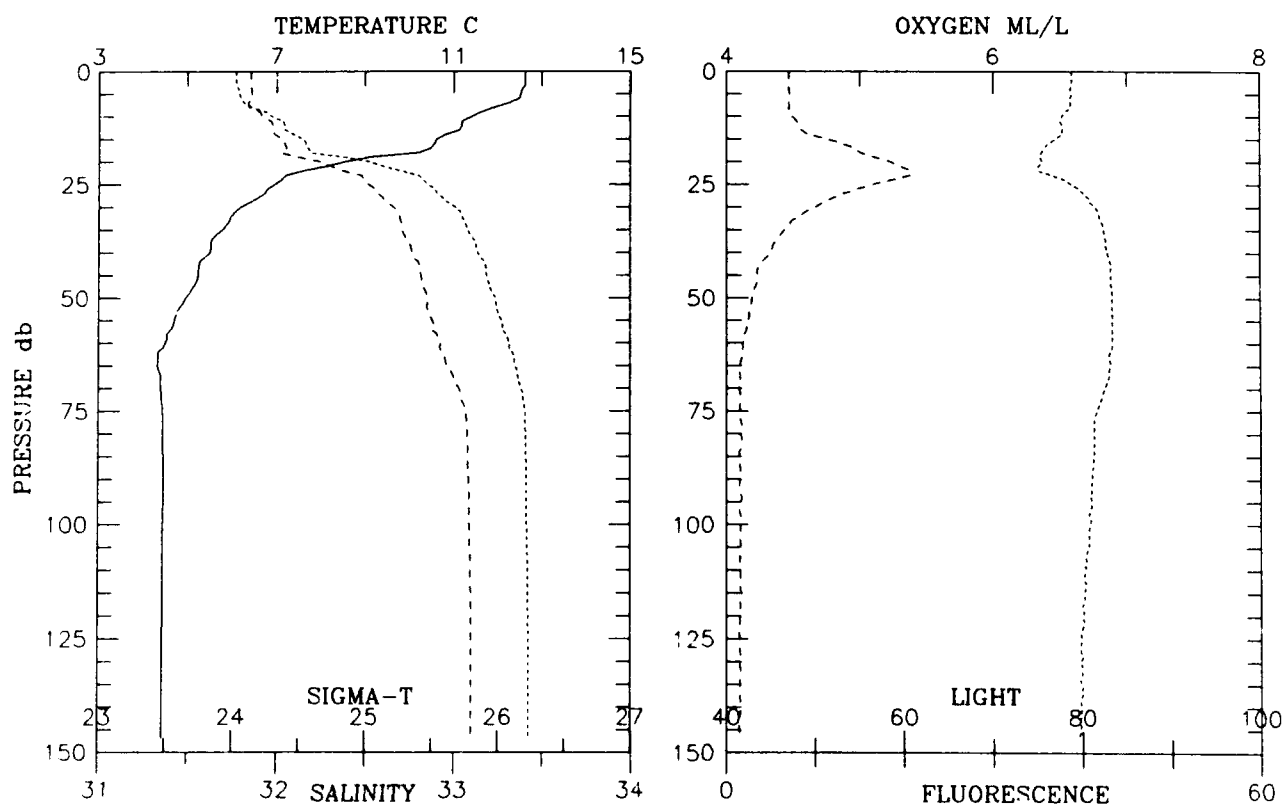
Cruise EN196 Consecutive Station # 121 Depth m:148 Time: 1989-06-01 22:10
 Position: 41° 27.61'N 68° 50.62'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.081 | 31.860 | 24.137 | 0.0000 | 0.000 | 7.2 | 77.5 |
| 10.0 | 10.784 | 31.979 | 24.462 | 0.0370 | 0.000 | 11.0 | 75.6 |
| 20.0 | 8.518 | 32.315 | 25.090 | 0.0686 | 0.000 | 14.8 | 77.2 |
| 30.0 | 6.798 | 32.553 | 25.519 | 0.0959 | 0.000 | 10.7 | 80.6 |
| 40.0 | 5.557 | 32.787 | 25.858 | 0.1182 | 0.000 | 3.8 | 83.0 |
| 50.0 | 4.998 | 32.879 | 25.994 | 0.1387 | 0.000 | 2.2 | 83.4 |
| 60.0 | 4.746 | 32.960 | 26.086 | 0.1584 | 0.000 | 1.8 | 83.3 |
| 70.0 | 4.635 | 33.015 | 26.142 | 0.1774 | 0.000 | 1.6 | 83.3 |
| 80.0 | 4.413 | 33.094 | 26.228 | 0.1956 | 0.000 | 1.4 | 82.1 |
| 90.0 | 4.413 | 33.102 | 26.234 | 0.2135 | 0.000 | 1.4 | 81.7 |
| 100.0 | 4.414 | 33.105 | 26.237 | 0.2313 | 0.000 | 1.4 | 81.3 |
| 110.0 | 4.414 | 33.104 | 26.236 | 0.2492 | 0.000 | 1.4 | 81.4 |
| 120.0 | 4.414 | 33.105 | 26.237 | 0.2670 | 0.000 | 1.4 | 81.2 |
| 130.0 | 4.414 | 33.105 | 26.237 | 0.2849 | 0.000 | 1.4 | 81.1 |
| 140.0 | 4.413 | 33.105 | 26.237 | 0.3027 | 0.000 | 1.5 | 80.0 |
| 144.0 | 4.413 | 33.105 | 26.237 | 0.3099 | 0.000 | 1.4 | 80.4 |



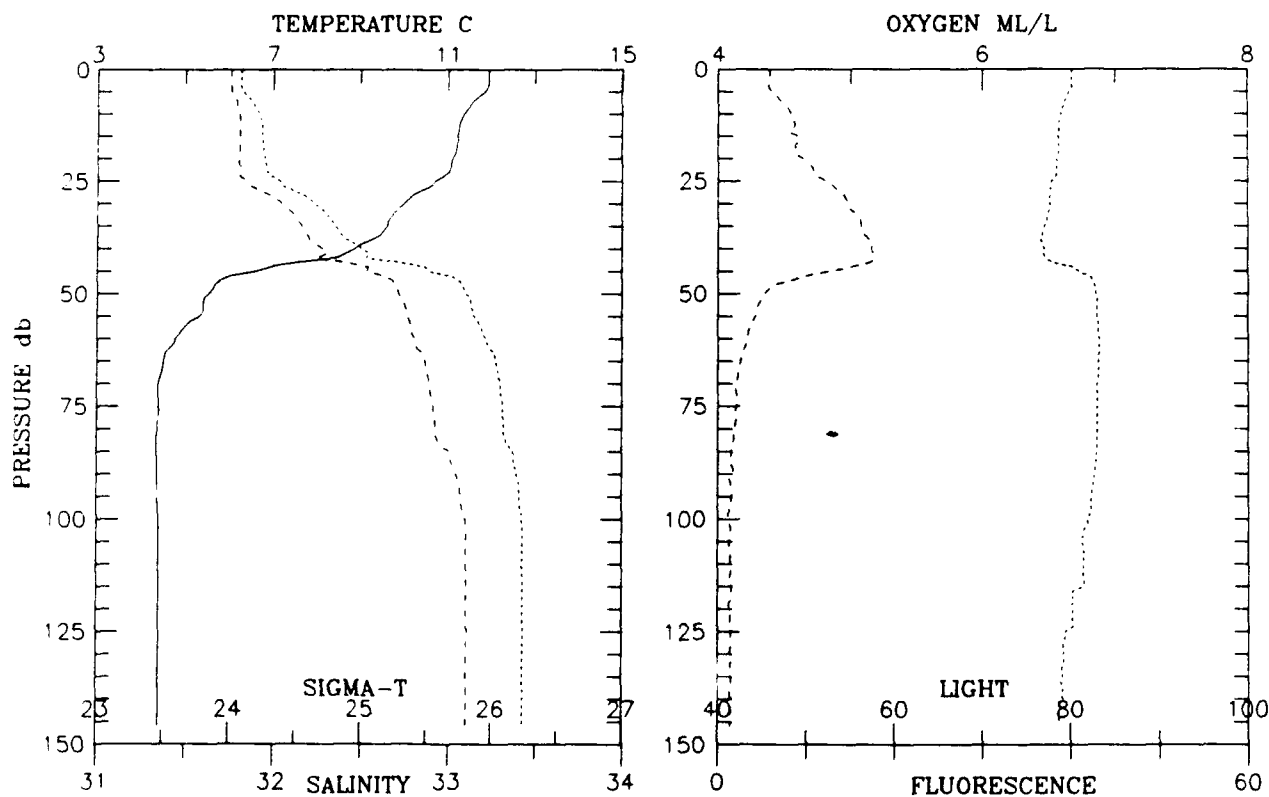
Cruise EN196 Consecutive Station # 122 Depth m:150 Time: 1989-06-02 01:02
 Position: 41° 27.26'N 68° 50.70'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.621 | 31.855 | 24.031 | 0.0000 | 0.000 | 7.0 | 78.8 |
| 10.0 | | 11.430 | 31.915 | 24.298 | 0.0382 | 0.000 | 7.4 | 77.7 |
| 20.0 | | 8.566 | 32.249 | 25.031 | 0.0721 | 0.000 | 18.5 | 75.5 |
| 30.0 | | 6.192 | 32.660 | 25.680 | 0.0976 | 0.000 | 10.0 | 81.5 |
| 40.0 | | 5.508 | 32.768 | 25.848 | 0.1197 | 0.000 | 5.0 | 82.8 |
| 50.0 | | 4.957 | 32.854 | 25.979 | 0.1405 | 0.000 | 2.8 | 83.3 |
| 60.0 | | 4.505 | 32.927 | 26.086 | 0.1603 | 0.000 | 1.8 | 83.3 |
| 70.0 | | 4.405 | 33.029 | 26.177 | 0.1791 | 0.000 | 1.4 | 82.4 |
| 80.0 | | 4.459 | 33.078 | 26.210 | 0.1973 | 0.000 | 1.5 | 81.3 |
| 90.0 | | 4.464 | 33.084 | 26.215 | 0.2154 | 0.000 | 1.6 | 81.1 |
| 100.0 | | 4.464 | 33.090 | 26.219 | 0.2334 | 0.000 | 1.6 | 80.8 |
| 110.0 | | 4.457 | 33.097 | 26.226 | 0.2513 | 0.000 | 1.5 | 80.4 |
| 120.0 | | 4.453 | 33.100 | 26.229 | 0.2693 | 0.000 | 1.5 | 80.0 |
| 130.0 | | 4.449 | 33.101 | 26.230 | 0.2872 | 0.000 | 1.5 | 79.8 |
| 140.0 | | 4.449 | 33.101 | 26.230 | 0.3051 | 0.000 | 1.6 | 79.9 |
| 147.0 | | 4.447 | 33.101 | 26.230 | 0.3177 | 0.000 | 1.6 | 79.8 |



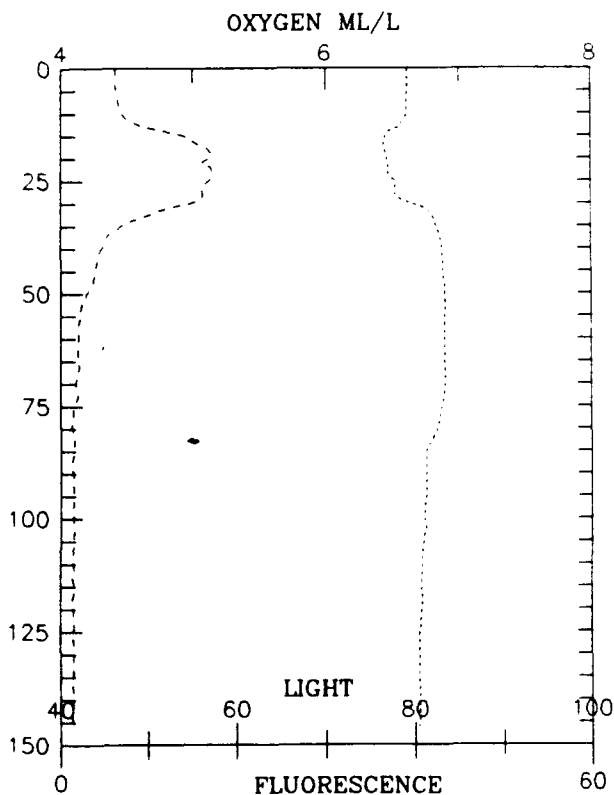
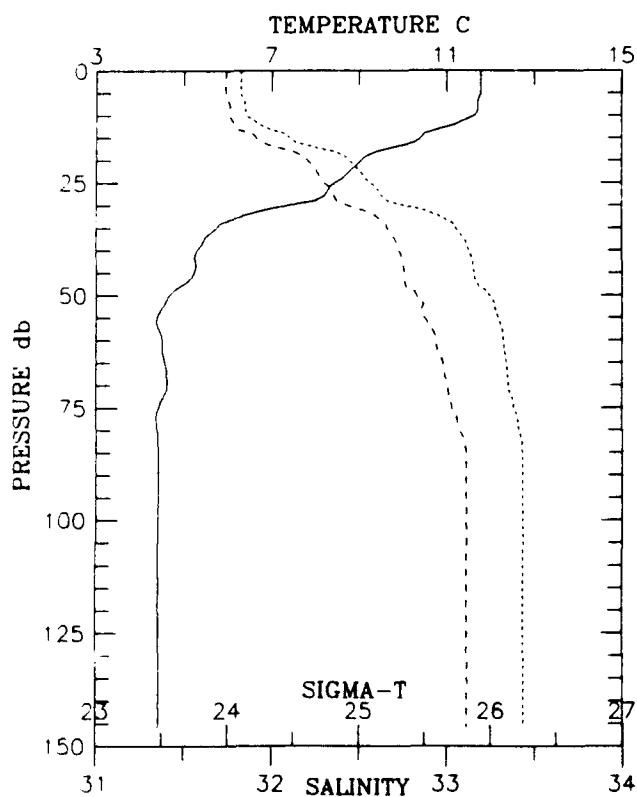
Cruise EN196 Consecutive Station # 123 Depth m:149 Time: 1989-06-02 05:44
 Position: 41° 27.13'N 68° 50.81'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E - 11.932 | 31.759 | 24.086 | 0.0000 | 0.000 | 5.8 | 80.1 |
| 10.0 | 11.360 | 31.806 | 24.226 | 0.0378 | 0.000 | 8.2 | 78.9 |
| 20.0 | 11.106 | 31.804 | 24.270 | 0.0746 | 0.000 | 9.6 | 78.5 |
| 30.0 | 9.980 | 32.049 | 24.652 | 0.1098 | 0.000 | 14.9 | 77.7 |
| 40.0 | 8.847 | 32.278 | 25.011 | 0.1412 | 0.000 | 17.4 | 77.0 |
| 50.0 | 5.522 | 32.714 | 25.804 | 0.1661 | 0.000 | 5.2 | 82.8 |
| 60.0 | 4.786 | 32.809 | 25.962 | 0.1873 | 0.000 | 3.1 | 83.2 |
| 70.0 | 4.404 | 32.892 | 26.068 | 0.2071 | 0.000 | 2.1 | 83.0 |
| 80.0 | 4.380 | 32.923 | 26.096 | 0.2264 | 0.000 | 1.8 | 83.0 |
| 90.0 | 4.373 | 33.045 | 26.193 | 0.2450 | 0.000 | 1.5 | 82.6 |
| 100.0 | 4.405 | 33.101 | 26.234 | 0.2630 | 0.000 | 1.3 | 81.9 |
| 110.0 | 4.411 | 33.106 | 26.238 | 0.2809 | 0.000 | 1.4 | 81.4 |
| 120.0 | 4.412 | 33.108 | 26.239 | 0.2987 | 0.000 | 1.3 | 80.2 |
| 130.0 | 4.411 | 33.108 | 26.239 | 0.3165 | 0.000 | 1.3 | 79.1 |
| 140.0 | 4.410 | 33.107 | 26.239 | 0.3343 | 0.000 | 1.5 | 79.1 |
| 146.0 | 4.411 | 33.107 | 26.239 | 0.3450 | 0.000 | 1.4 | 78.5 |



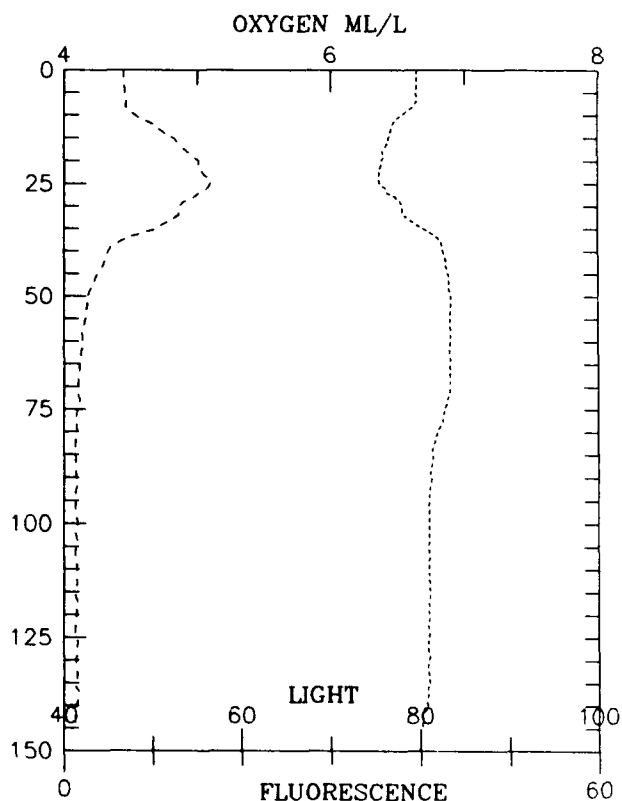
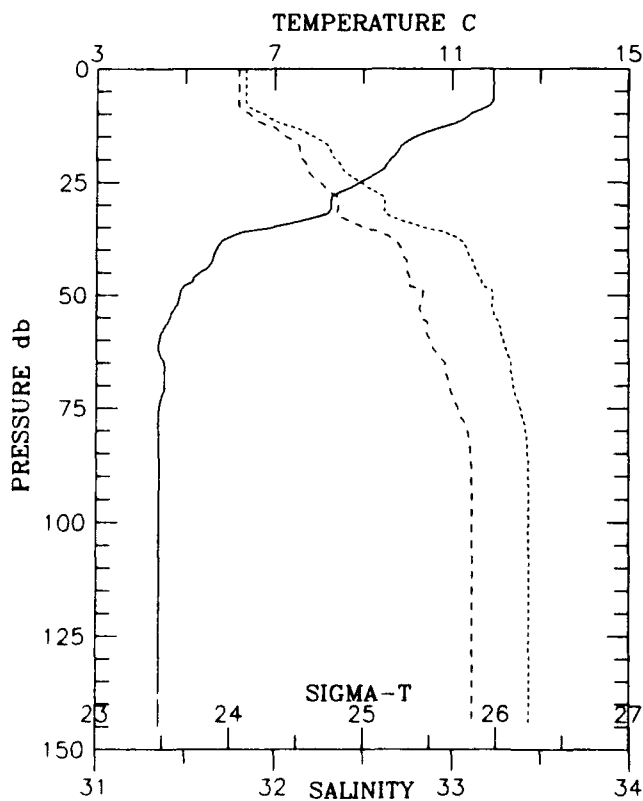
Cruise EN196 Consecutive Station # 124 Depth m:149 Time: 1989-06-02 07:05
 Position: 41° 27.18'N 68° 50.82'W Depth Deck Offset: -0.25 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E ~ 11.773 | 31.737 | 24.098 | 0.0000 | 0.000 | 6.2 | 79.2 |
| 10.0 | 11.632 | 31.761 | 24.142 | 0.0380 | 0.000 | 7.0 | 79.2 |
| 20.0 | 9.047 | 32.206 | 24.924 | 0.0723 | 0.000 | 16.9 | 76.9 |
| 30.0 | 7.357 | 32.433 | 25.349 | 0.1010 | 0.000 | 14.7 | 79.7 |
| 40.0 | 5.303 | 32.729 | 25.641 | 0.1239 | 0.000 | 4.7 | 83.1 |
| 50.0 | 4.665 | 32.825 | 25.988 | 0.1450 | 0.000 | 2.9 | 83.3 |
| 60.0 | 4.495 | 32.939 | 26.096 | 0.1645 | 0.000 | 2.0 | 83.3 |
| 70.0 | 4.622 | 33.006 | 26.136 | 0.1834 | 0.000 | 1.7 | 83.4 |
| 80.0 | 4.383 | 33.076 | 26.217 | 0.2018 | 0.000 | 1.3 | 82.5 |
| 90.0 | 4.414 | 33.110 | 26.240 | 0.2196 | 0.000 | 1.4 | 81.2 |
| 100.0 | 4.416 | 33.111 | 26.241 | 0.2374 | 0.000 | 1.4 | 81.0 |
| 110.0 | 4.420 | 33.115 | 26.244 | 0.2552 | 0.000 | 1.4 | 80.8 |
| 120.0 | 4.420 | 33.115 | 26.244 | 0.2729 | 0.000 | 1.4 | 80.7 |
| 130.0 | 4.420 | 33.116 | 26.245 | 0.2907 | 0.000 | 1.4 | 80.5 |
| 140.0 | 4.420 | 33.115 | 26.244 | 0.3085 | 0.000 | 1.4 | 80.5 |
| 146.0 | 4.420 | 33.115 | 26.244 | 0.3192 | 0.000 | 1.4 | 80.4 |



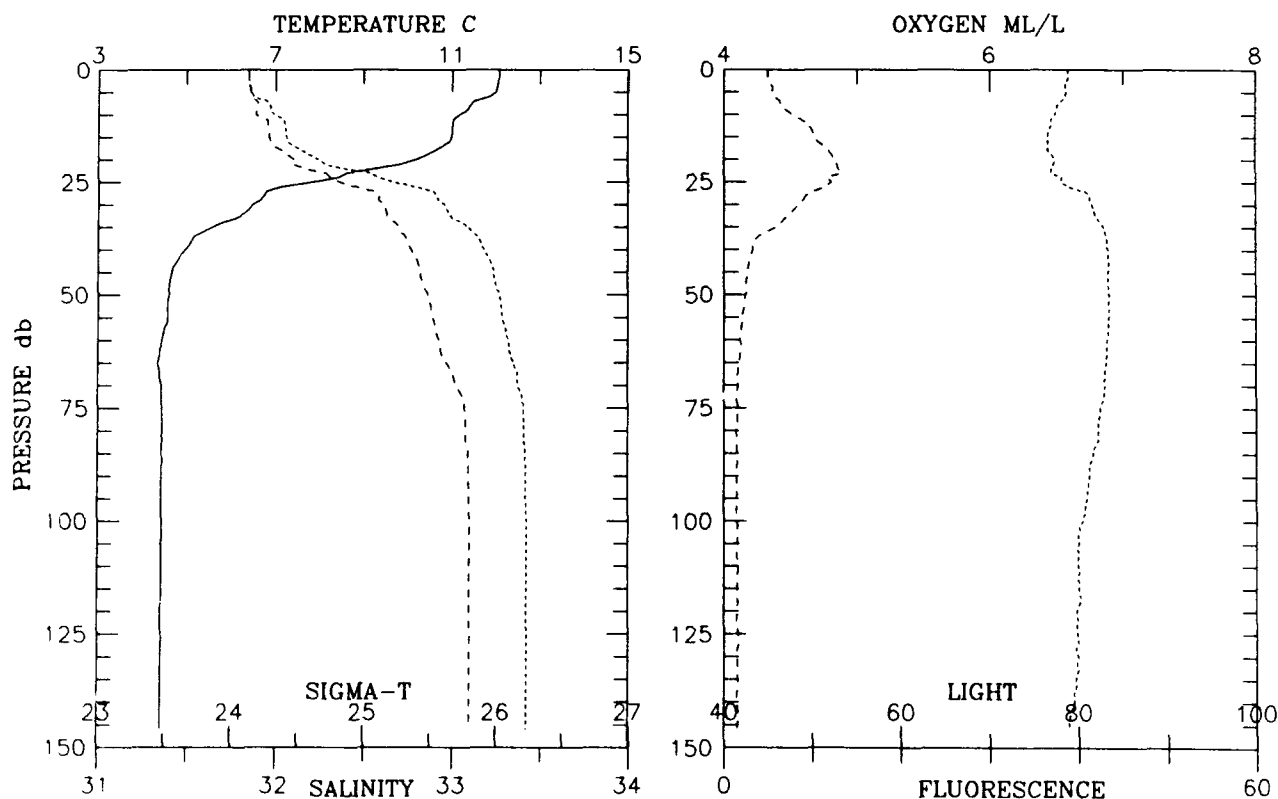
Cruise EN196 Consecutive Station # 125 Depth m:148 Time: 1989-06-02 10:04
 Position: 41° 27.36'N 68° 50.97'W Depth Deck Offset: -0.75 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.943 | 31.799 | 24.115 | 0.0000 | 0.000 | 6.7 | 79.6 |
| 10.0 | 11.415 | 31.859 | 24.258 | 0.0379 | 0.000 | 8.0 | 77.9 |
| 20.0 | 9.605 | 32.159 | 24.799 | 0.0714 | 0.000 | 15.1 | 75.6 |
| 30.0 | 8.266 | 32.359 | 25.162 | 0.1011 | 0.000 | 13.0 | 78.0 |
| 40.0 | 5.689 | 32.717 | 25.786 | 0.1262 | 0.000 | 5.0 | 82.6 |
| 50.0 | 4.880 | 32.835 | 25.972 | 0.1475 | 0.000 | 2.6 | 83.4 |
| 60.0 | 4.425 | 32.881 | 26.058 | 0.1675 | 0.000 | 2.1 | 83.4 |
| 70.0 | 4.534 | 32.987 | 26.130 | 0.1866 | 0.000 | 1.6 | 83.3 |
| 80.0 | 4.405 | 33.088 | 26.224 | 0.2050 | 0.000 | 1.5 | 82.0 |
| 90.0 | 4.417 | 33.111 | 26.241 | 0.2228 | 0.000 | 1.4 | 81.2 |
| 100.0 | 4.418 | 33.113 | 26.243 | 0.2406 | 0.000 | 1.6 | 81.0 |
| 110.0 | 4.418 | 33.113 | 26.243 | 0.2583 | 0.000 | 1.4 | 80.9 |
| 120.0 | 4.418 | 33.114 | 26.243 | 0.2761 | 0.000 | 1.4 | 81.0 |
| 130.0 | 4.419 | 33.114 | 26.243 | 0.2939 | 0.000 | 1.3 | 80.9 |
| 140.0 | 4.419 | 33.115 | 26.244 | 0.3117 | 0.000 | 1.4 | 80.8 |
| 145.0 | 4.420 | 33.115 | 26.244 | 0.3206 | 0.000 | 1.4 | 80.2 |



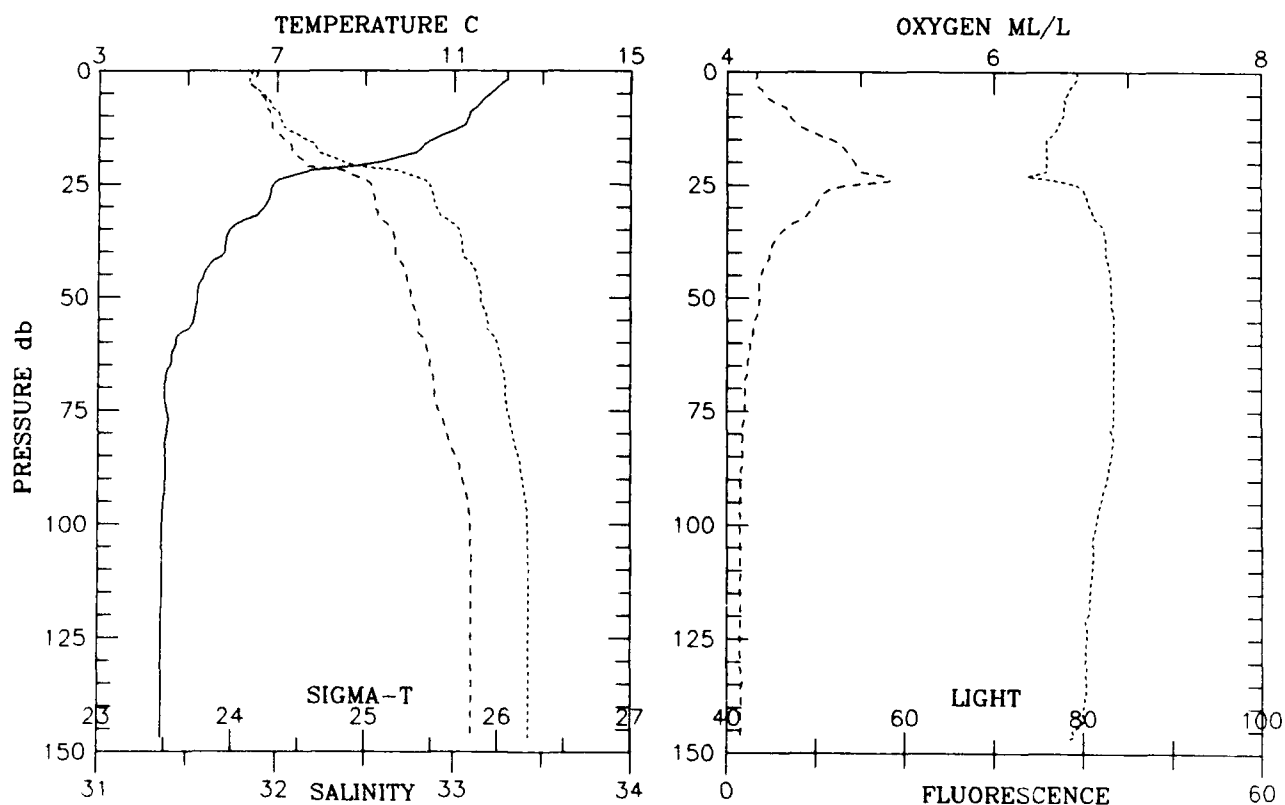
Cruise EN196 Consecutive Station # 126 Depth m:148 Time: 1989-06-02 13:02
 Position: 41° 27.41'N 68° 50.73'W Depth Deck Offset: -0.80 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.063 | 31.848 | 24.131 | 0.0000 | 0.000 | 4.9 | 78.8 |
| 10.0 | 11.163 | 31.887 | 24.324 | 0.0372 | 0.000 | 7.8 | 77.4 |
| 20.0 | 10.168 | 32.113 | 24.671 | 0.0720 | 0.000 | 12.5 | 77.3 |
| 30.0 | 6.481 | 32.619 | 25.612 | 0.0995 | 0.000 | 8.4 | 81.5 |
| 40.0 | 4.969 | 32.771 | 25.912 | 0.1217 | 0.000 | 3.2 | 83.3 |
| 50.0 | 4.595 | 32.863 | 26.025 | 0.1420 | 0.000 | 2.4 | 83.4 |
| 60.0 | 4.437 | 32.928 | 26.094 | 0.1615 | 0.000 | 1.8 | 83.2 |
| 70.0 | 4.438 | 33.024 | 26.170 | 0.1803 | 0.000 | 1.6 | 83.0 |
| 80.0 | 4.451 | 33.076 | 26.210 | 0.1984 | 0.000 | 1.3 | 82.2 |
| 90.0 | 4.447 | 33.096 | 26.226 | 0.2164 | 0.000 | 1.4 | 81.2 |
| 100.0 | 4.438 | 33.100 | 26.230 | 0.2343 | 0.000 | 1.4 | 80.4 |
| 110.0 | 4.435 | 33.101 | 26.231 | 0.2522 | 0.000 | 1.6 | 79.9 |
| 120.0 | 4.432 | 33.101 | 26.232 | 0.2700 | 0.000 | 1.5 | 79.8 |
| 130.0 | 4.431 | 33.101 | 26.232 | 0.2879 | 0.000 | 1.5 | 79.9 |
| 140.0 | 4.427 | 33.101 | 26.232 | 0.3059 | 0.000 | 1.5 | 79.5 |
| 146.0 | 4.424 | 33.101 | 26.232 | 0.3166 | 0.000 | 1.5 | 78.9 |



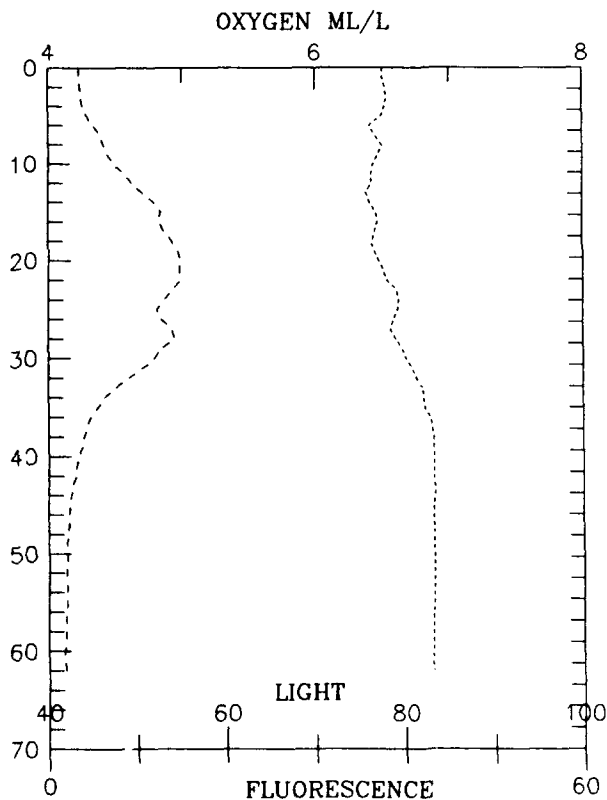
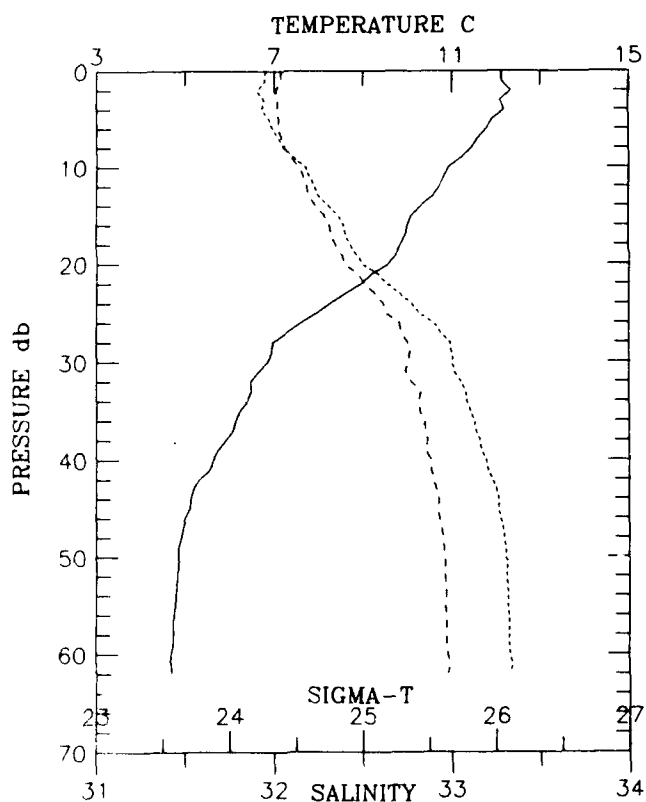
Cruise EN196 Consecutive Station # 127 Depth m:150 Time: 1989-06-02 16:08
 Position: 41° 27.20'N 68° 50.70'W Depth Deck Offset: -0.80 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.193 | 31.889 | 24.139 | 0.0000 | 0.000 | 3.3 | 79.3 |
| 10.0 | 11.339 | 31.969 | 24.357 | 0.0369 | 0.000 | 7.1 | 77.7 |
| 20.0 | 9.418 | 32.156 | 24.827 | 0.0709 | 0.000 | 14.4 | 75.9 |
| 30.0 | 6.720 | 32.549 | 25.526 | 0.0970 | 0.000 | 9.9 | 80.7 |
| 40.0 | 5.838 | 32.670 | 25.732 | 0.1202 | 0.000 | 4.8 | 82.5 |
| 50.0 | 5.231 | 32.757 | 25.872 | 0.1419 | 0.000 | 3.7 | 83.2 |
| 60.0 | 4.746 | 32.839 | 25.990 | 0.1627 | 0.000 | 2.5 | 83.4 |
| 70.0 | 4.497 | 32.891 | 26.058 | 0.1825 | 0.000 | 2.0 | 83.4 |
| 80.0 | 4.545 | 32.961 | 26.109 | 0.2018 | 0.000 | 1.7 | 83.2 |
| 90.0 | 4.509 | 33.050 | 26.183 | 0.2205 | 0.000 | 1.4 | 82.6 |
| 100.0 | 4.450 | 33.094 | 26.224 | 0.2386 | 0.000 | 1.4 | 81.4 |
| 110.0 | 4.439 | 33.099 | 26.229 | 0.2565 | 0.000 | 1.5 | 80.9 |
| 120.0 | 4.431 | 33.101 | 26.232 | 0.2744 | 0.000 | 1.5 | 80.4 |
| 130.0 | 4.431 | 33.101 | 26.232 | 0.2923 | 0.000 | 1.5 | 80.2 |
| 140.0 | 4.429 | 33.101 | 26.232 | 0.3102 | 0.000 | 1.5 | 80.0 |
| 147.0 | 4.432 | 33.101 | 26.232 | 0.3227 | 0.000 | 2.1 | 78.4 |



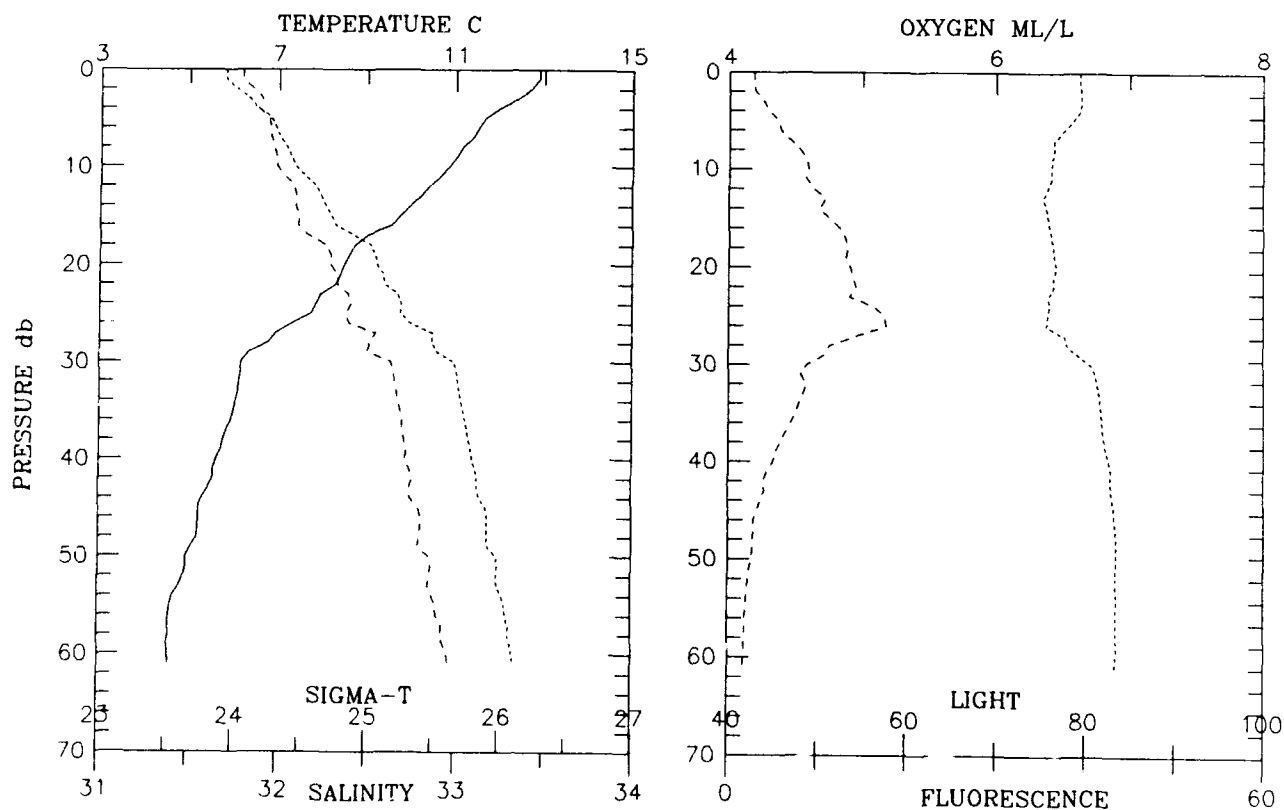
Cruise EN196 Consecutive Station # 128 Depth m:130 Time: 1989-06-02 17:50
 Position: 41° 23.25'N 68° 46.84'W Depth Deck Offset: -0.80 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.131 | 32.037 | 24.265 | 0.0000 | 0.000 | 3.5 | 77.6 |
| 5.0 | 11.915 | 32.022 | 24.293 | 0.0185 | 0.000 | 4.3 | 77.4 |
| 10.0 | 10.915 | 32.141 | 24.565 | 0.0362 | 0.000 | 7.4 | 76.5 |
| 15.0 | 10.091 | 32.281 | 24.815 | 0.0527 | 0.000 | 12.7 | 76.8 |
| 20.0 | 9.550 | 32.393 | 24.991 | 0.0681 | 0.000 | 14.8 | 77.1 |
| 25.0 | 7.944 | 32.626 | 25.418 | 0.0819 | 0.000 | 12.2 | 79.2 |
| 30.0 | 6.841 | 32.748 | 25.667 | 0.0940 | 0.000 | 11.9 | 80.1 |
| 35.0 | 6.224 | 32.818 | 25.801 | 0.1053 | 0.000 | 5.5 | 82.2 |
| 40.0 | 5.628 | 32.879 | 25.922 | 0.1161 | 0.000 | 3.3 | 83.2 |
| 45.0 | 5.112 | 32.922 | 26.016 | 0.1264 | 0.000 | 2.4 | 83.2 |
| 50.0 | 4.845 | 32.958 | 26.074 | 0.1363 | 0.000 | 2.0 | 83.2 |
| 55.0 | 4.783 | 32.962 | 26.084 | 0.1460 | 0.000 | 2.0 | 83.2 |
| 60.0 | 4.692 | 32.977 | 26.105 | 0.1557 | 0.000 | 1.8 | 83.1 |
| 62.0 | 4.705 | 32.977 | 26.104 | 0.1596 | 0.000 | 1.9 | 83.1 |



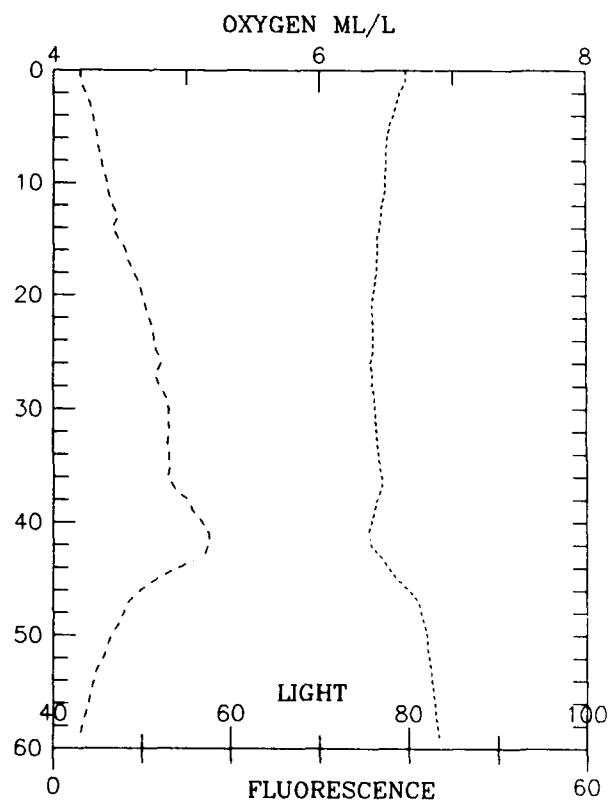
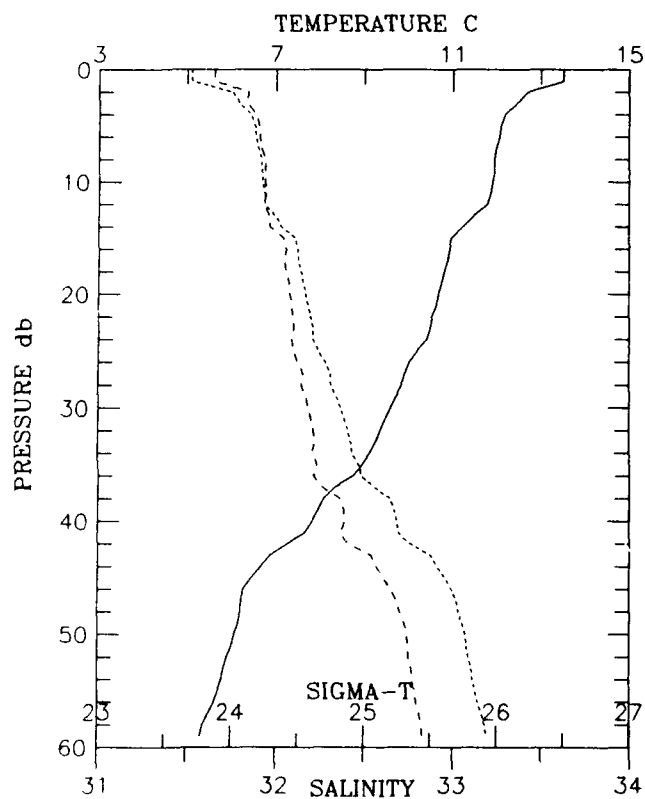
Cruise EN196 Consecutive Station # 129 Depth m:136 Time: 1989-06-02 18:49
 Position: 41° 25.55'N 68° 46.42'W Depth Deck Offset: -0.80 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.887 | 31.799 | 23.937 | 0.0000 | 0.000 | 2.7 | 79.4 |
| 5.0 | 11.666 | 31.944 | 24.278 | 0.0192 | 0.000 | 5.5 | 78.5 |
| 10.0 | 10.850 | 31.991 | 24.460 | 0.0370 | 0.000 | 8.9 | 76.2 |
| 15.0 | 9.774 | 32.116 | 24.738 | 0.0536 | 0.000 | 11.4 | 75.9 |
| 20.0 | 8.508 | 32.299 | 25.079 | 0.0687 | 0.000 | 13.7 | 76.8 |
| 25.0 | 7.762 | 32.384 | 25.254 | 0.0826 | 0.000 | 17.5 | 75.8 |
| 30.0 | 6.184 | 32.643 | 25.668 | 0.0951 | 0.000 | 8.9 | 80.8 |
| 35.0 | 6.015 | 32.692 | 25.727 | 0.1066 | 0.000 | 7.5 | 81.8 |
| 40.0 | 5.634 | 32.720 | 25.796 | 0.1177 | 0.000 | 5.0 | 82.7 |
| 45.0 | 5.248 | 32.796 | 25.900 | 0.1285 | 0.000 | 3.2 | 83.2 |
| 50.0 | 4.966 | 32.857 | 25.980 | 0.1389 | 0.000 | 2.6 | 83.5 |
| 55.0 | 4.638 | 32.898 | 26.049 | 0.1489 | 0.000 | 2.0 | 83.5 |
| 60.0 | 4.571 | 32.959 | 26.104 | 0.1586 | 0.000 | 1.7 | 83.4 |
| 61.0 | 4.584 | 32.970 | 26.111 | 0.1605 | 0.000 | 1.7 | 83.4 |



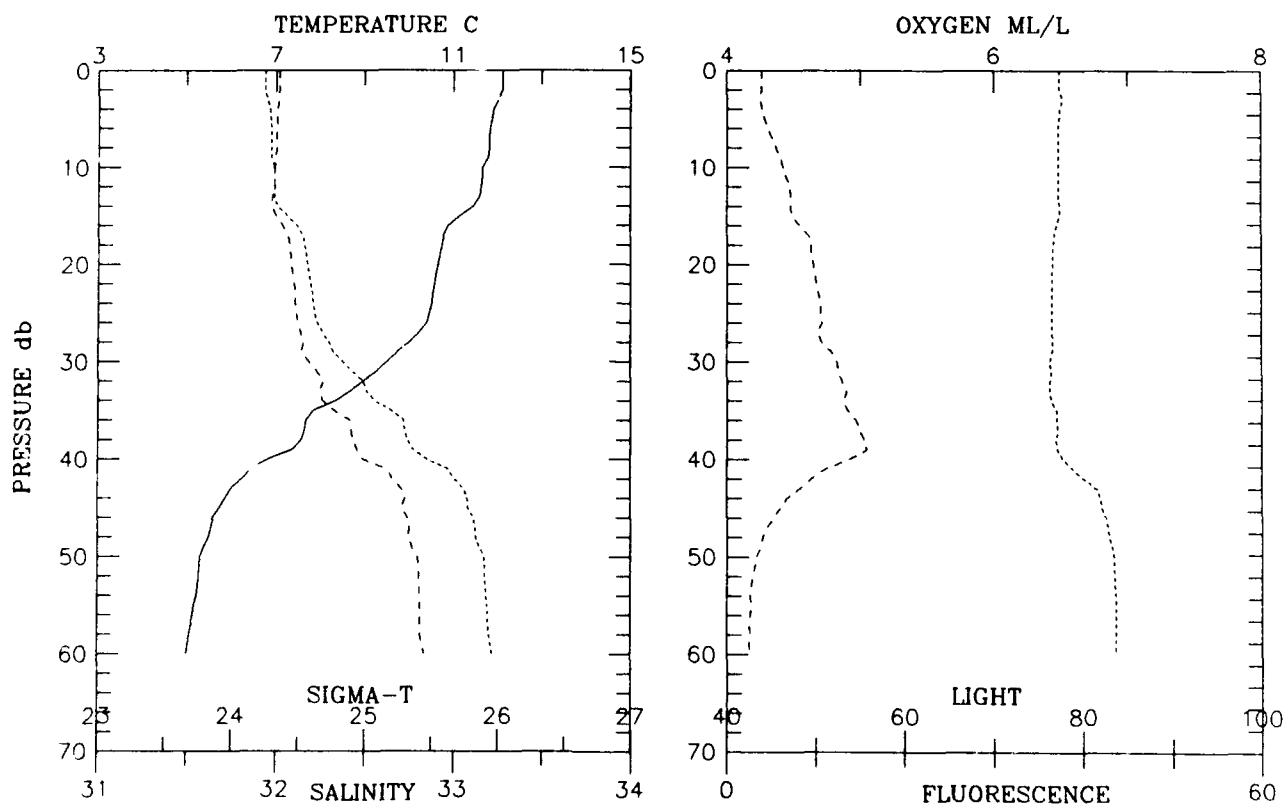
Cruise EN196 Consecutive Station # 130 Depth m:145 Time: 1989-06-02 19:39
 Position: 41° 28.04'N 68° 46.22'W Depth Deck Offset: -0.80 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.508 | 31.650 | 23.700 | 0.0000 | 0.000 | 3.0 | 79.7 |
| 5.0 | 12.079 | 31.904 | 24.172 | 0.0197 | 0.000 | 4.7 | 77.8 |
| 10.0 | 11.898 | 31.937 | 24.230 | 0.0382 | 0.000 | 6.0 | 77.4 |
| 15.0 | 10.962 | 32.045 | 24.482 | 0.0563 | 0.000 | 7.4 | 76.5 |
| 20.0 | 10.670 | 32.079 | 24.559 | 0.0734 | 0.000 | 10.0 | 76.0 |
| 25.0 | 10.191 | 32.098 | 24.655 | 0.0901 | 0.000 | 11.7 | 76.0 |
| 30.0 | 9.599 | 32.183 | 24.819 | 0.1061 | 0.000 | 13.0 | 76.2 |
| 35.0 | 8.954 | 32.234 | 24.960 | 0.1214 | 0.000 | 13.1 | 76.7 |
| 40.0 | 7.840 | 32.390 | 25.248 | 0.1357 | 0.000 | 16.8 | 75.8 |
| 45.0 | 6.453 | 32.612 | 25.610 | 0.1485 | 0.000 | 11.6 | 78.7 |
| 50.0 | 6.074 | 32.744 | 25.761 | 0.1599 | 0.000 | 6.5 | 82.0 |
| 55.0 | 5.716 | 32.786 | 25.838 | 0.1709 | 0.000 | 4.2 | 82.7 |
| 59.0 | 5.311 | 32.832 | 25.922 | 0.1794 | 0.000 | 3.0 | 83.4 |



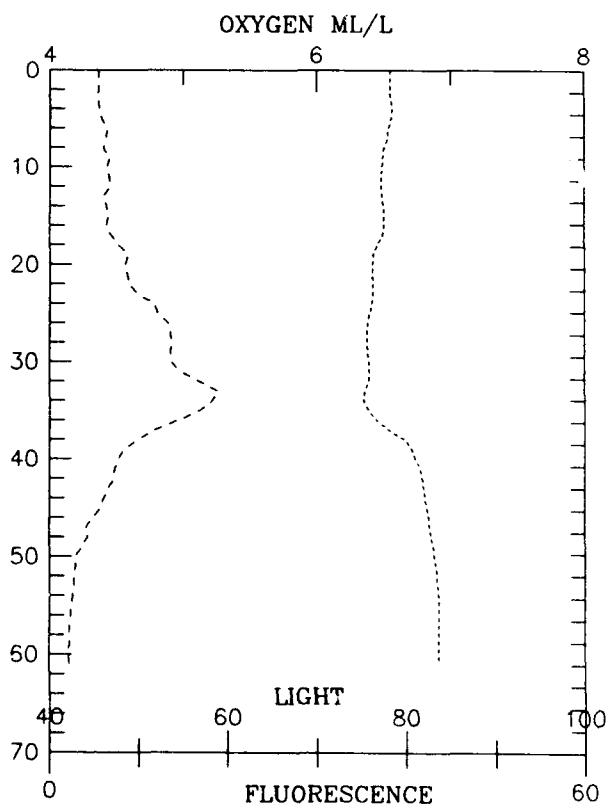
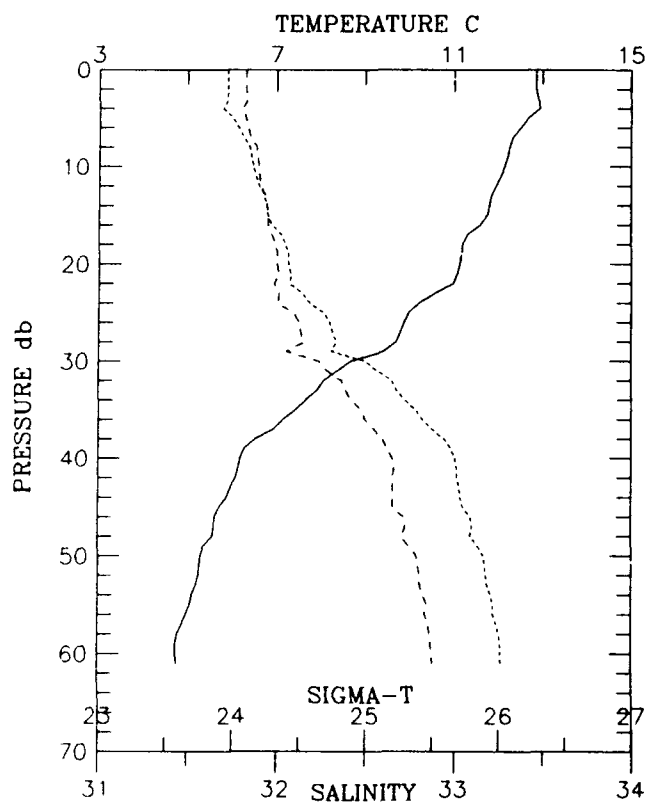
Cruise EN196 Consecutive Station # 131 Depth m:125 Time: 1989-06-02 20:18
 Position: 41° 26.75'N 68° 43.20'W Depth Deck Offset: -0.38 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.118 | 32.019 | 24.253 | 0.0000 | 0.000 | 3.9 |
| 5.0 | | 11.862 | 32.004 | 24.289 | 0.0183 | 0.000 | 4.2 |
| 10.0 | | 11.642 | 31.991 | 24.319 | 0.0364 | 0.000 | 6.3 |
| 15.0 | | 11.132 | 32.002 | 24.419 | 0.0543 | 0.000 | 7.3 |
| 20.0 | | 10.646 | 32.082 | 24.566 | 0.0714 | 0.000 | 9.7 |
| 25.0 | | 10.454 | 32.115 | 24.624 | 0.0881 | 0.000 | 10.5 |
| 30.0 | | 9.507 | 32.186 | 24.836 | 0.1043 | 0.000 | 12.4 |
| 35.0 | | 7.853 | 32.323 | 25.193 | 0.1191 | 0.000 | 13.6 |
| 40.0 | | 6.827 | 32.488 | 25.464 | 0.1323 | 0.000 | 13.6 |
| 45.0 | | 5.730 | 32.710 | 25.776 | 0.1438 | 0.000 | 6.0 |
| 50.0 | | 5.296 | 32.799 | 25.897 | 0.1546 | 0.000 | 3.3 |
| 55.0 | | 5.172 | 32.813 | 25.922 | 0.1651 | 0.000 | 2.7 |
| 60.0 | | 5.016 | 32.839 | 25.961 | 0.1754 | 0.000 | 2.5 |



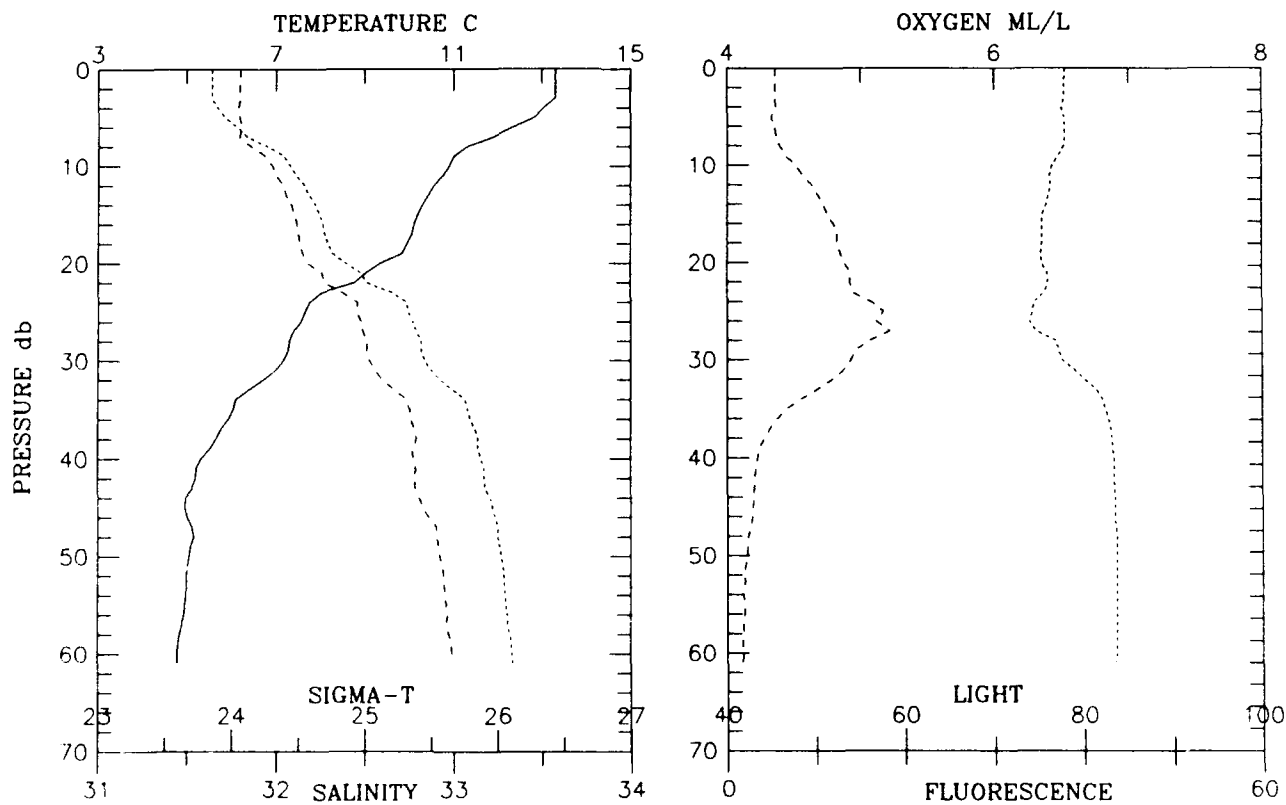
Cruise EN196 Consecutive Station # 132 Depth m:138 Time: 1989-06-02 21:24
 Position: 41° 24.03'N 68° 48.65'W Depth Deck Offset: -0.38 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.847 | 31.828 | 23.967 | 0.0000 | 0.000 | 5.5 | 78.2 |
| 5.0 | 12.661 | 31.823 | 23.999 | 0.0197 | 0.000 | 5.8 | 78.3 |
| 10.0 | 12.131 | 31.897 | 24.156 | 0.0388 | 0.000 | 6.4 | 77.3 |
| 15.0 | 11.748 | 31.949 | 24.267 | 0.0573 | 0.000 | 6.5 | 77.5 |
| 20.0 | 11.127 | 32.001 | 24.419 | 0.0751 | 0.000 | 8.5 | 76.2 |
| 25.0 | 9.976 | 32.094 | 24.688 | 0.0923 | 0.000 | 12.1 | 75.9 |
| 30.0 | 8.683 | 32.236 | 25.003 | 0.1081 | 0.000 | 13.7 | 75.8 |
| 35.0 | 7.425 | 32.476 | 25.374 | 0.1220 | 0.000 | 16.9 | 75.8 |
| 40.0 | 6.194 | 32.653 | 25.675 | 0.1342 | 0.000 | 7.7 | 81.0 |
| 45.0 | 5.721 | 32.656 | 25.734 | 0.1456 | 0.000 | 5.7 | 82.3 |
| 50.0 | 5.302 | 32.787 | 25.887 | 0.1566 | 0.000 | 2.8 | 83.1 |
| 55.0 | 5.068 | 32.848 | 25.962 | 0.1670 | 0.000 | 2.4 | 83.6 |
| 60.0 | 4.749 | 32.876 | 26.019 | 0.1770 | 0.000 | 2.1 | 83.6 |
| 61.0 | 4.772 | 32.881 | 26.021 | 0.1790 | 0.000 | 2.2 | 83.6 |



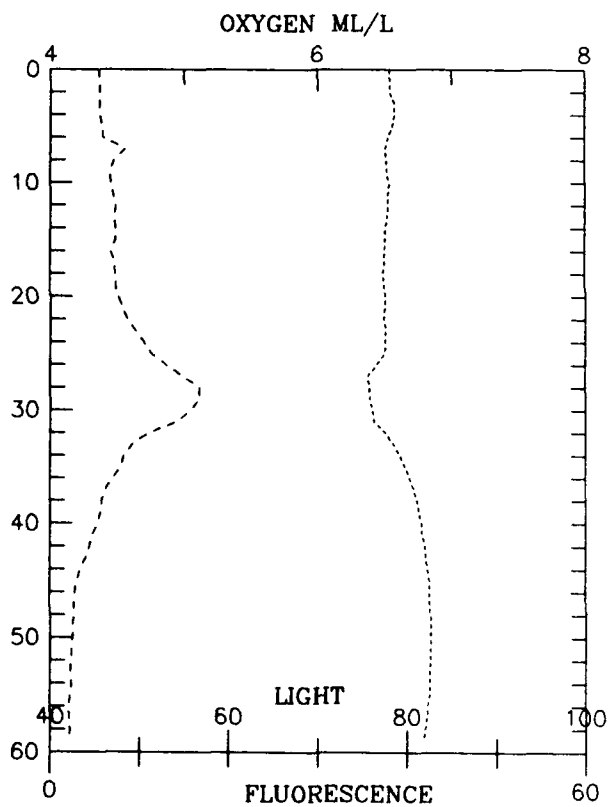
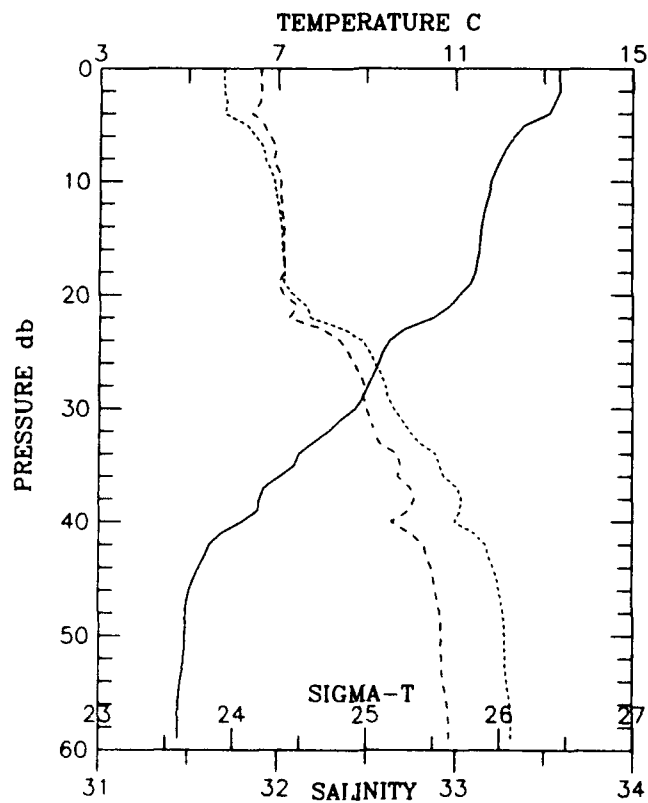
Cruise EN196 Consecutive Station # 133 Depth m:146 Time: 1989-06-02 22:06
 Position: 41° 26.38'N 68° 43.57'W Depth Deck Offset: -0.38 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.312 | 31.800 | 23.854 | 0.0000 | 0.000 | 5.4 | 77.9 |
| 5.0 | 12.816 | 31.795 | 23.947 | 0.0201 | 0.000 | 4.9 | 77.8 |
| 10.0 | 10.904 | 31.979 | 24.441 | 0.0387 | 0.000 | 7.7 | 76.5 |
| 15.0 | 10.191 | 32.103 | 24.659 | 0.0556 | 0.000 | 11.2 | 75.4 |
| 20.0 | 9.340 | 32.180 | 24.858 | 0.0717 | 0.000 | 13.2 | 75.3 |
| 25.0 | 7.647 | 32.455 | 25.326 | 0.0859 | 0.000 | 17.5 | 74.2 |
| 30.0 | 7.167 | 32.525 | 25.447 | 0.0988 | 0.000 | 13.9 | 77.5 |
| 35.0 | 6.036 | 32.753 | 25.773 | 0.1106 | 0.000 | 6.6 | 82.4 |
| 40.0 | 5.321 | 32.771 | 25.872 | 0.1214 | 0.000 | 3.4 | 83.3 |
| 45.0 | 4.944 | 32.825 | 25.957 | 0.1319 | 0.000 | 2.8 | 83.4 |
| 50.0 | 5.056 | 32.922 | 26.022 | 0.1419 | 0.000 | 2.2 | 83.6 |
| 55.0 | 4.959 | 32.957 | 26.060 | 0.1517 | 0.000 | 1.9 | 83.6 |
| 60.0 | 4.792 | 32.992 | 26.106 | 0.1613 | 0.000 | 1.8 | 83.6 |
| 61.0 | 4.794 | 32.995 | 26.109 | 0.1632 | 0.000 | 1.7 | 83.5 |



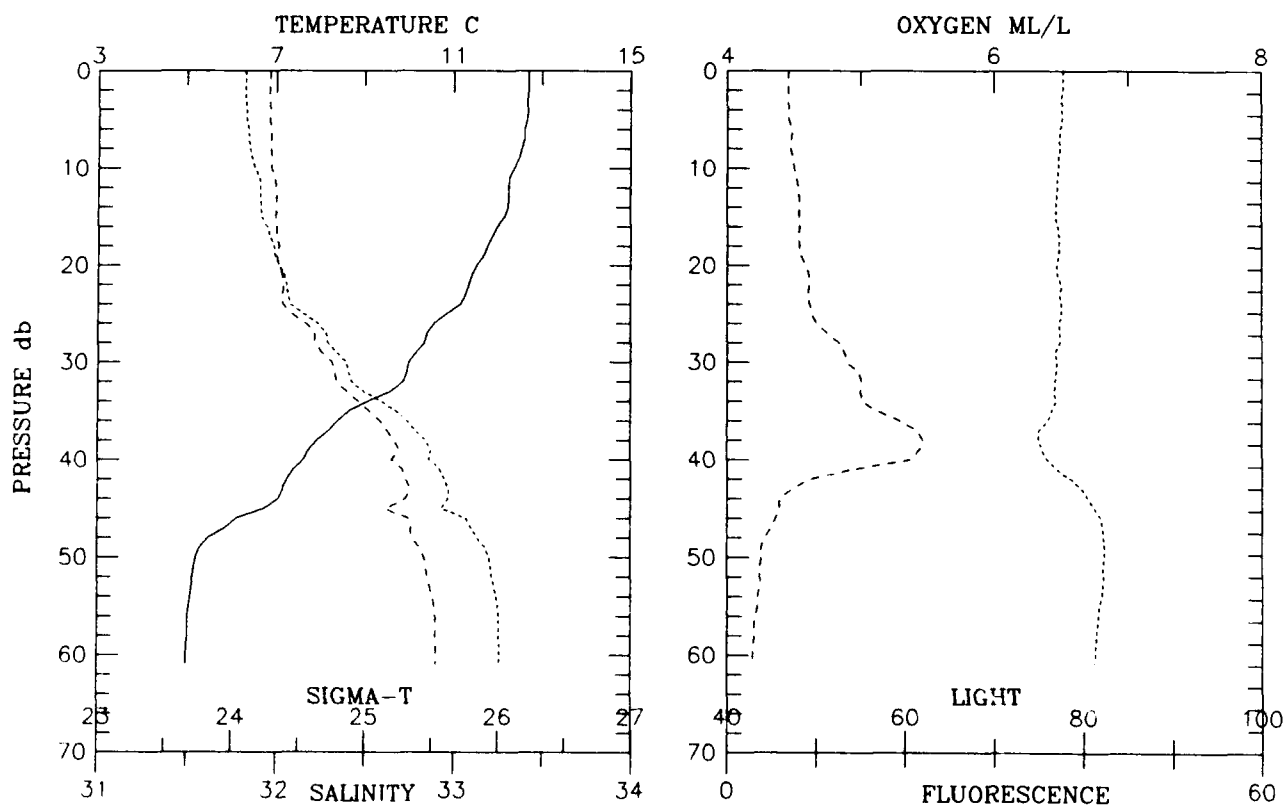
Cruise EN196 Consecutive Station # 134 Depth m:105 Time: 1989-06-02 23:17
 Position: 41° 23.93'N 68° 42.91'W Depth Deck Offset: -0.60 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.350 | 31.903 | 23.927 | 0.0000 | 0.000 | 5.5 | 78.1 |
| 5.0 | 12.550 | 31.920 | 24.095 | 0.0198 | 0.000 | 5.8 | 78.4 |
| 10.0 | 11.802 | 32.018 | 24.311 | 0.0383 | 0.000 | 6.8 | 78.0 |
| 15.0 | 11.561 | 32.033 | 24.367 | 0.0562 | 0.000 | 7.3 | 77.6 |
| 20.0 | 11.086 | 32.041 | 24.458 | 0.0739 | 0.000 | 7.6 | 77.5 |
| 25.0 | 9.362 | 32.398 | 25.025 | 0.0899 | 0.000 | 11.4 | 77.5 |
| 30.0 | 8.732 | 32.500 | 25.203 | 0.1042 | 0.000 | 15.7 | 76.1 |
| 35.0 | 7.379 | 32.692 | 25.550 | 0.1171 | 0.000 | 7.9 | 79.8 |
| 40.0 | 6.207 | 32.638 | 25.661 | 0.1288 | 0.000 | 5.3 | 81.6 |
| 45.0 | 5.121 | 32.881 | 25.982 | 0.1394 | 0.000 | 3.0 | 82.5 |
| 50.0 | 4.928 | 32.920 | 26.035 | 0.1493 | 0.000 | 2.5 | 82.6 |
| 55.0 | 4.806 | 32.947 | 26.069 | 0.1591 | 0.000 | 2.2 | 82.5 |
| 59.0 | 4.781 | 32.964 | 26.086 | 0.1668 | 0.000 | 2.1 | 81.8 |



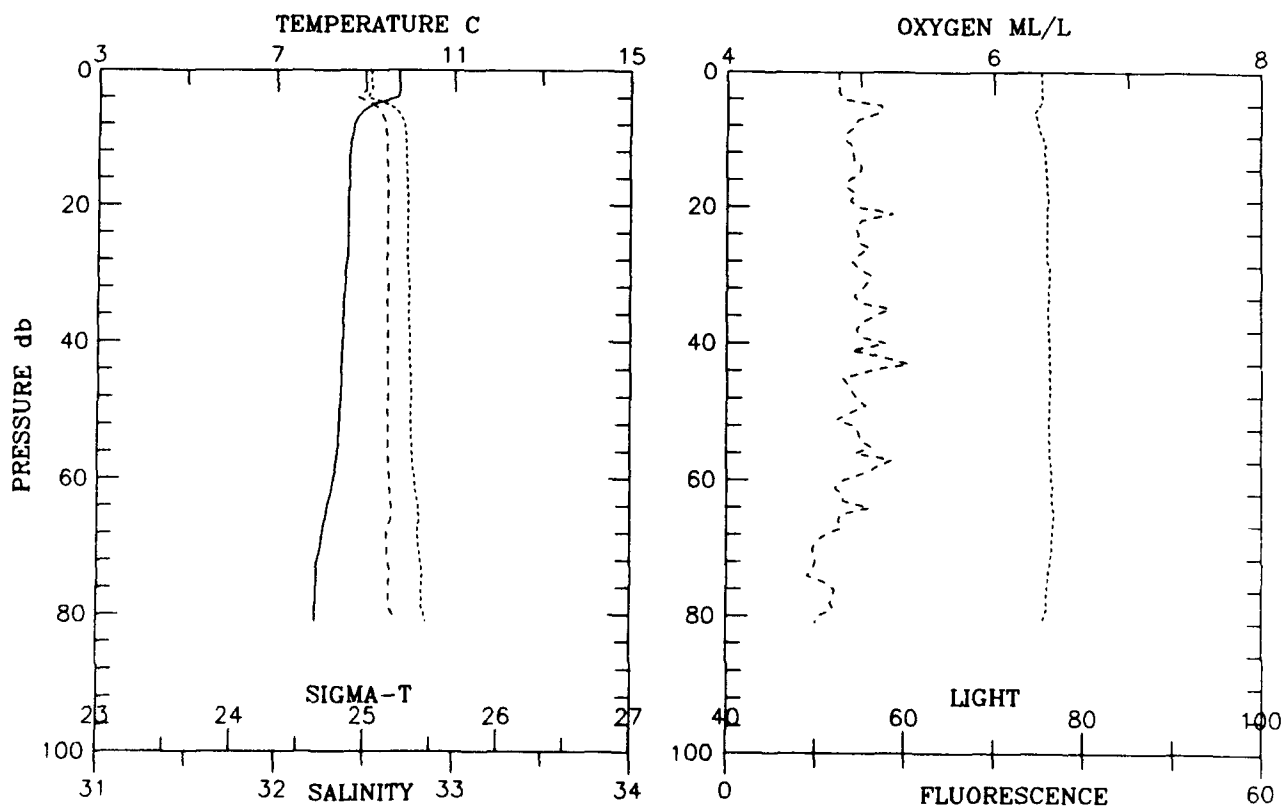
Cruise EN196 Consecutive Station # 135 Depth m:120 Time: 1989-06-03 00:32
 Position: 41° 22.70'N 68° 45.77'W Depth Deck Offset: -0.60 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.700 | 31.963 | 24.100 | 0.0000 | 0.000 | 6.9 | 77.7 |
| 5.0 | | 12.651 | 31.962 | 24.108 | 0.0190 | 0.000 | 6.9 | 77.6 |
| 10.0 | | 12.356 | 31.972 | 24.172 | 0.0379 | 0.000 | 7.5 | 77.2 |
| 15.0 | | 12.155 | 31.996 | 24.229 | 0.0565 | 0.000 | 8.1 | 76.9 |
| 20.0 | | 11.520 | 32.013 | 24.358 | 0.0746 | 0.000 | 8.9 | 77.0 |
| 25.0 | | 10.847 | 32.090 | 24.537 | 0.0921 | 0.000 | 9.6 | 77.5 |
| 30.0 | | 9.989 | 32.316 | 24.859 | 0.1083 | 0.000 | 13.4 | 77.0 |
| 35.0 | | 8.648 | 32.525 | 25.235 | 0.1231 | 0.000 | 17.0 | 76.4 |
| 40.0 | | 7.624 | 32.653 | 25.485 | 0.1360 | 0.000 | 20.5 | 75.9 |
| 45.0 | | 6.735 | 32.615 | 25.576 | 0.1480 | 0.000 | 5.9 | 81.2 |
| 50.0 | | 5.211 | 32.838 | 25.938 | 0.1589 | 0.000 | 3.8 | 82.3 |
| 55.0 | | 5.051 | 32.892 | 25.999 | 0.1691 | 0.000 | 3.4 | 81.7 |
| 60.0 | | 5.004 | 32.901 | 26.011 | 0.1790 | 0.000 | 2.9 | 81.3 |
| 61.0 | | 4.990 | 32.905 | 26.016 | 0.1810 | 0.000 | 2.9 | 81.2 |



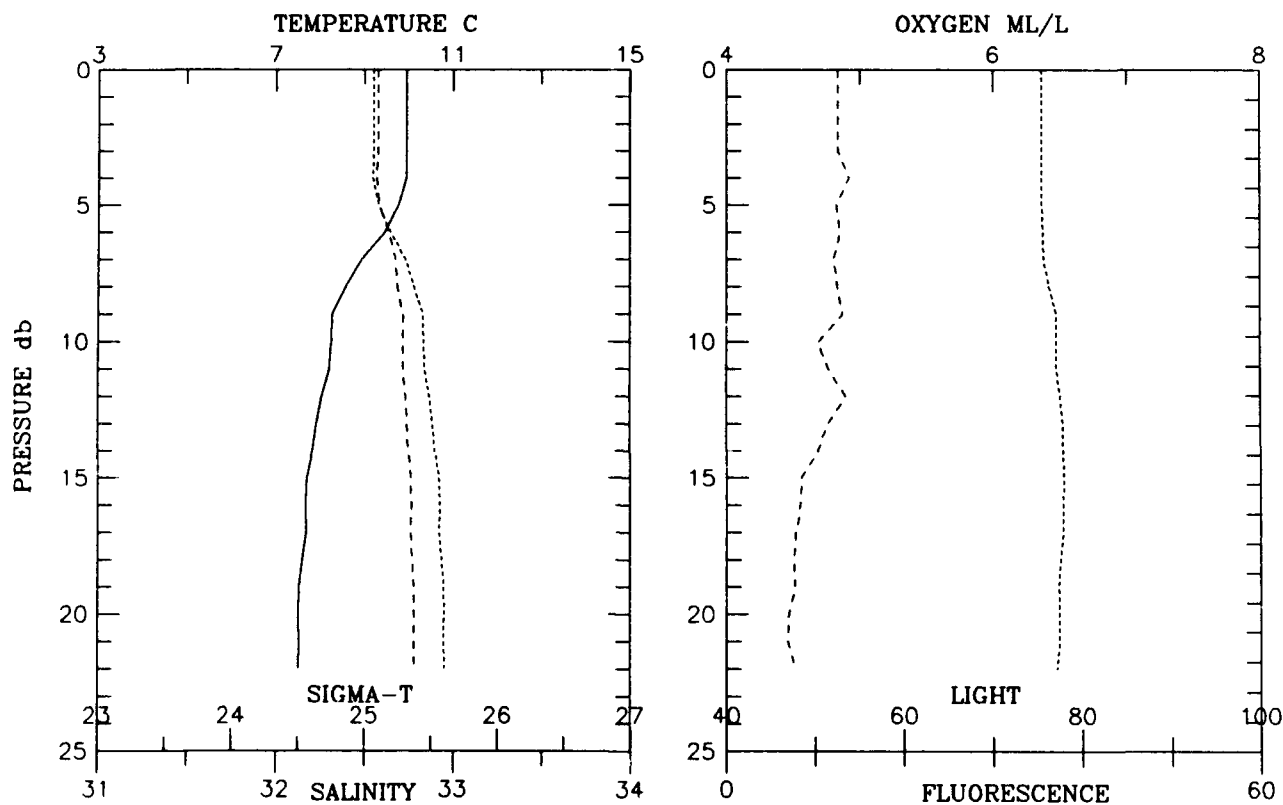
Cruise EN196 Consecutive Station # 136 Depth m:86 Time: 1989-06-03 03:04
 Position: 41° 23.00'N 68° 34.05'W Depth Deck Offset: -0.60 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.750 | 32.500 | 25.042 | 0.0000 | 0.000 | 12.6 |
| 5.0 | | 9.154 | 32.539 | 25.168 | 0.0145 | 0.000 | 17.4 |
| 10.0 | | 8.687 | 32.620 | 25.303 | 0.0280 | 0.000 | 13.3 |
| 15.0 | | 8.650 | 32.626 | 25.314 | 0.0413 | 0.000 | 15.0 |
| 20.0 | | 8.620 | 32.627 | 25.319 | 0.0546 | 0.000 | 14.7 |
| 25.0 | | 8.618 | 32.627 | 25.319 | 0.0679 | 0.000 | 14.7 |
| 30.0 | | 8.560 | 32.628 | 25.329 | 0.0811 | 0.000 | 16.1 |
| 35.0 | | 8.534 | 32.629 | 25.334 | 0.0943 | 0.000 | 18.4 |
| 40.0 | | 8.507 | 32.629 | 25.338 | 0.1075 | 0.000 | 17.9 |
| 45.0 | | 8.476 | 32.631 | 25.344 | 0.1207 | 0.000 | 13.0 |
| 50.0 | | 8.447 | 32.632 | 25.349 | 0.1338 | 0.000 | 14.1 |
| 55.0 | | 8.411 | 32.634 | 25.356 | 0.1469 | 0.000 | 16.3 |
| 60.0 | | 8.306 | 32.641 | 25.377 | 0.1600 | 0.000 | 13.1 |
| 65.0 | | 8.159 | 32.654 | 25.409 | 0.1729 | 0.000 | 12.7 |
| 70.0 | | 8.018 | 32.629 | 25.410 | 0.1858 | 0.000 | 9.7 |
| 75.0 | | 7.923 | 32.639 | 25.432 | 0.1986 | 0.000 | 11.0 |
| 80.0 | | 7.899 | 32.664 | 25.454 | 0.2114 | 0.000 | 10.2 |
| 81.0 | | 7.899 | 32.678 | 25.465 | 0.2139 | 0.000 | 10.0 |



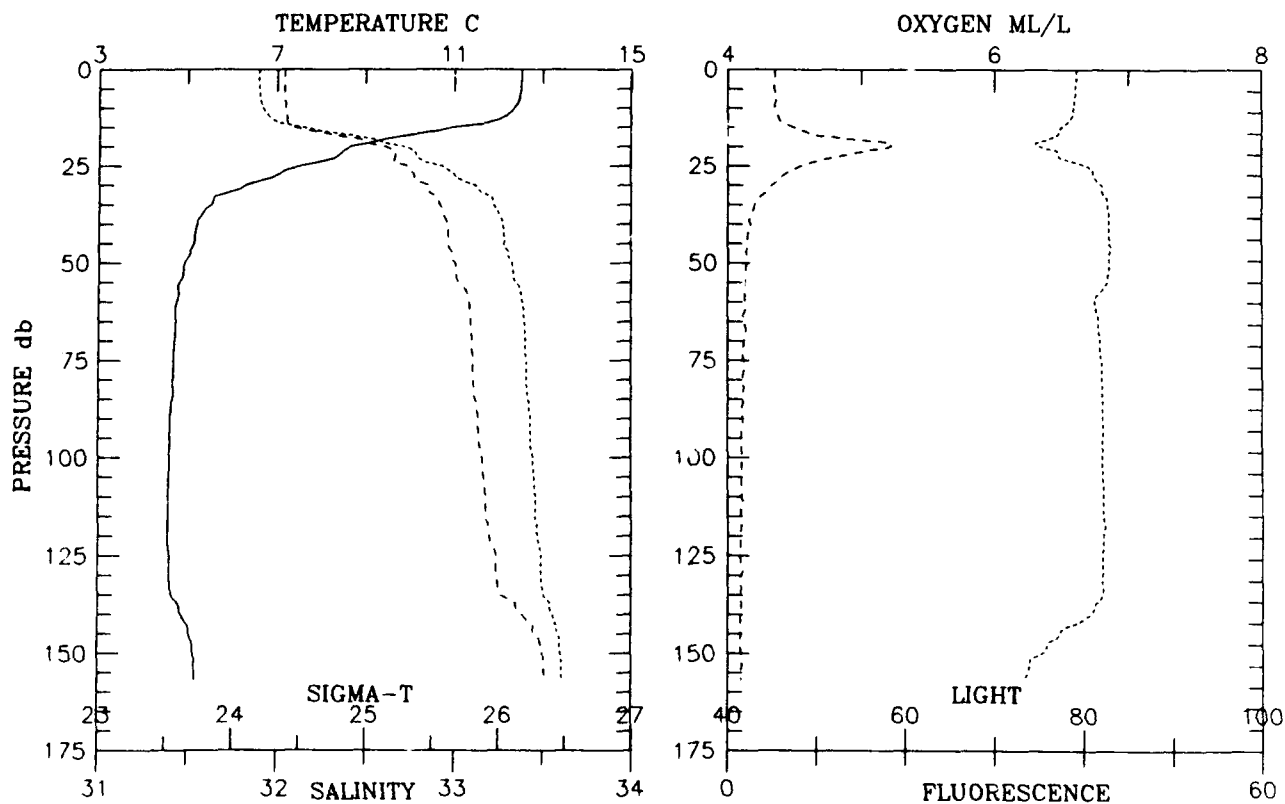
Cruise EN196 Consecutive Station # 137 Depth m:25 Time: 1989-06-03 06:25
 Position: 41° 38.97'N 68° 24.02'W Depth Deck Offset: -0.60 Fish 1

| PRESSURE | Interp | TEMP | SALINITY | SIGMA-T | DELTA-D | OXYGEN | CHANNELA | CHANNELB |
|----------|--------|---------|----------|---------|---------|--------|----------|----------|
| (d-bars) | | (deg C) | (0/00) | | | (ml/l) | (%light) | (%light) |
| 0.0 | E | 9.948 | 32.577 | 25.069 | 0.0000 | 14.434 | 12.6 | 75.5 |
| 2.0 | E | 9.948 | 32.576 | 25.069 | 0.0058 | 14.437 | 12.6 | 75.5 |
| 4.0 | | 9.946 | 32.568 | 25.063 | 0.0116 | 14.439 | 13.8 | 75.5 |
| 6.0 | | 9.459 | 32.635 | 25.195 | 0.0174 | 14.727 | 12.8 | 75.6 |
| 8.0 | | 8.580 | 32.685 | 25.371 | 0.0228 | 15.010 | 12.5 | 76.3 |
| 10.0 | | 8.253 | 32.717 | 25.444 | 0.0279 | 14.857 | 10.3 | 77.1 |
| 12.0 | | 8.031 | 32.731 | 25.488 | 0.0330 | 14.820 | 13.4 | 77.5 |
| 14.0 | | 7.827 | 32.747 | 25.530 | 0.0380 | 14.843 | 10.3 | 77.8 |
| 16.0 | | 7.668 | 32.764 | 25.566 | 0.0429 | 14.659 | 8.3 | 77.8 |
| 18.0 | | 7.596 | 32.770 | 25.581 | 0.0477 | 14.618 | 7.6 | 77.5 |
| 20.0 | | 7.516 | 32.778 | 25.599 | 0.0526 | 14.520 | 7.0 | 77.4 |
| 22.0 | | 7.507 | 32.780 | 25.601 | 0.0574 | 14.160 | 7.7 | 77.1 |



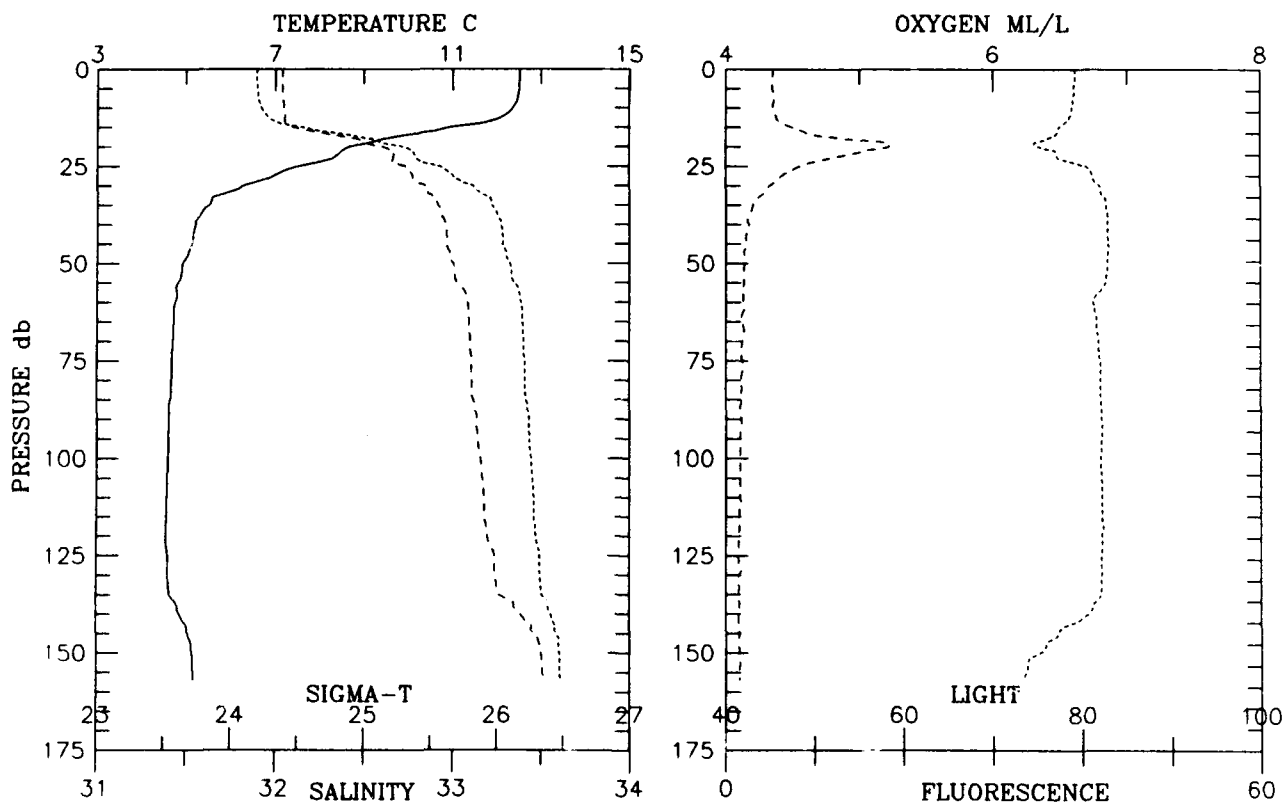
Cruise EN196 Consecutive Station # 138 Depth m:162 Time: 1989-06-03 08:56
 Position: 41° 39.31'N 68° 35.45'W Depth Deck Offset: -1.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.511 | 32.041 | 24.197 | 0.0000 | 12.721 | 5.3 |
| 10.0 | | 12.366 | 32.047 | 24.228 | 0.0373 | 12.917 | 5.3 |
| 20.0 | | 8.658 | 32.604 | 25.295 | 0.0707 | 14.607 | 18.4 |
| 30.0 | | 6.293 | 32.857 | 25.823 | 0.0953 | 14.889 | 4.9 |
| 40.0 | | 5.208 | 32.957 | 26.032 | 0.1161 | 14.394 | 2.6 |
| 50.0 | | 4.930 | 33.004 | 26.101 | 0.1358 | 13.800 | 2.1 |
| 60.0 | | 4.760 | 33.086 | 26.184 | 0.1548 | 13.447 | 1.9 |
| 70.0 | | 4.711 | 33.100 | 26.201 | 0.1732 | 13.420 | 1.8 |
| 80.0 | | 4.682 | 33.109 | 26.211 | 0.1916 | 13.258 | 1.7 |
| 90.0 | | 4.615 | 33.137 | 26.240 | 0.2098 | 13.091 | 1.7 |
| 100.0 | | 4.605 | 33.159 | 26.259 | 0.2277 | 13.122 | 1.6 |
| 110.0 | | 4.579 | 33.179 | 26.278 | 0.2455 | 12.985 | 1.5 |
| 120.0 | | 4.565 | 33.199 | 26.295 | 0.2632 | 12.950 | 1.4 |
| 130.0 | | 4.608 | 33.243 | 26.326 | 0.2805 | 12.862 | 1.4 |
| 140.0 | | 4.872 | 33.384 | 26.409 | 0.2975 | 12.613 | 1.4 |
| 150.0 | | 5.143 | 33.502 | 26.471 | 0.3137 | 11.998 | 1.5 |
| 157.0 | | 5.162 | 33.512 | 26.477 | 0.3248 | 11.732 | 1.5 |



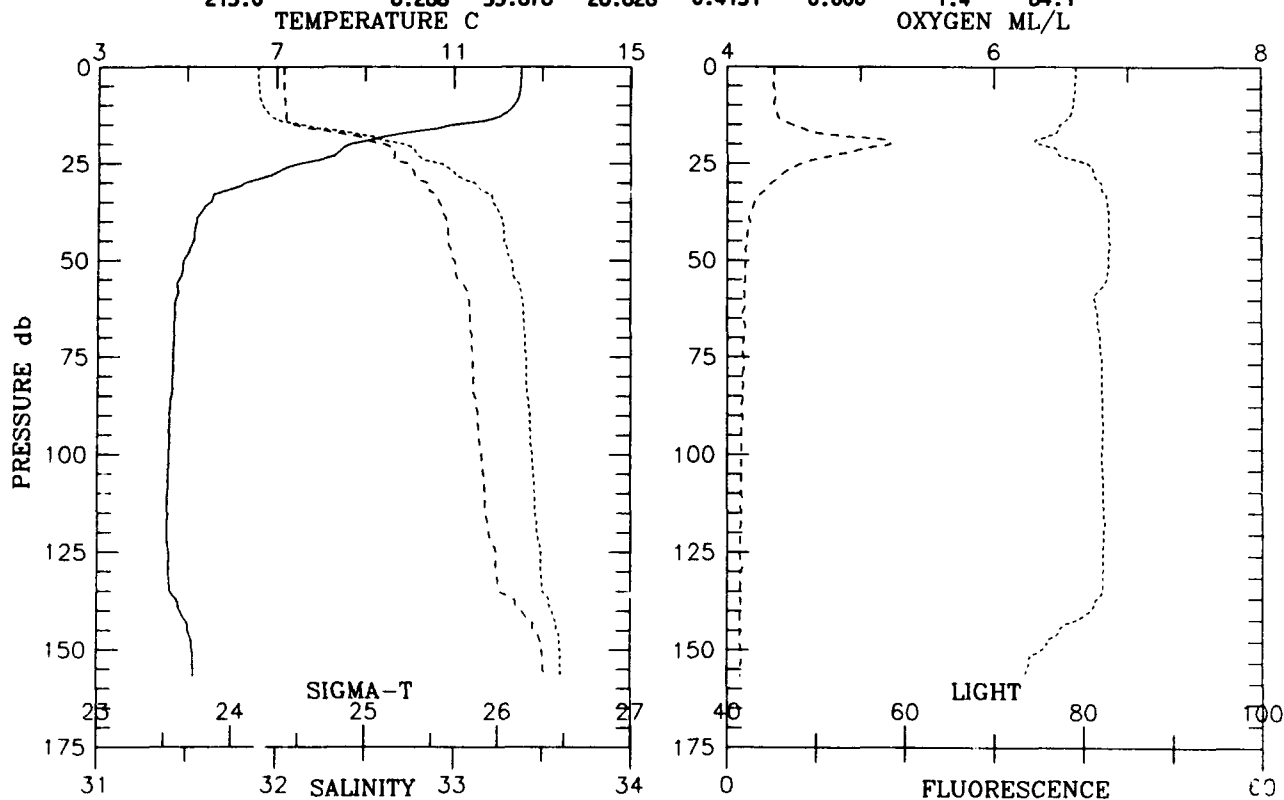
Cruise EN196 Consecutive Station # 141 Depth m:209 Time: 1989-06-04 22:04
 Position: 42° 2.77'N 69° 40.92'W Depth Deck Offset: -0.50 Fish 1

| PRESSURE | Interp | TEMP | SALINITY | SIGMA-T | DELTA-D | OXYGEN | CHANNELA | CHANNELB |
|----------|--------|---------|----------|---------|---------|--------|----------|----------|
| (d-bars) | | (deg C) | (0/00) | | | (ml/l) | (%fluor) | (%light) |
| 0.0 | E | 12.934 | 31.156 | 23.430 | 0.0000 | 0.000 | 8.8 | 75.8 |
| 10.0 | | 9.825 | 31.932 | 24.586 | 0.0401 | 0.000 | 22.4 | 71.8 |
| 20.0 | | 8.092 | 32.498 | 25.296 | 0.0688 | 0.000 | 11.8 | 78.2 |
| 30.0 | | 6.892 | 32.864 | 25.751 | 0.0942 | 0.000 | 5.6 | 82.1 |
| 40.0 | | 6.144 | 32.935 | 25.903 | 0.1157 | 0.000 | 3.1 | 83.1 |
| 50.0 | | 5.669 | 33.030 | 26.036 | 0.1360 | 0.000 | 2.4 | 83.5 |
| 60.0 | | 5.564 | 33.074 | 26.084 | 0.1554 | 0.000 | 2.3 | 83.5 |
| 70.0 | | 5.060 | 33. 79 | 26.193 | 0.1741 | 0.000 | 1.6 | 83.5 |
| 80.0 | | 4.813 | 33.165 | 26.241 | 0.1921 | 0.000 | 1.8 | 83.5 |
| 90.0 | | 4.629 | 33.204 | 26.292 | 0.2096 | 0.000 | 2.3 | 83.3 |
| 100.0 | | 4.574 | 33.267 | 26.348 | 0.2266 | 0.000 | 1.5 | 83.1 |
| 110.0 | | 4.616 | 33.314 | 26.381 | 0.2432 | 0.000 | 1.2 | 82.9 |
| 120.0 | | 4.702 | 33.361 | 26.409 | 0.2595 | 0.000 | 1.1 | 82.8 |
| 130.0 | | 4.901 | 33.436 | 26.447 | 0.2756 | 0.000 | 1.1 | 82.8 |
| 140.0 | | 5.021 | 33.472 | 26.462 | 0.2914 | 0.000 | 1.8 | 82.8 |
| 150.0 | | 5.276 | 33.549 | 26.493 | 0.3070 | 0.000 | 1.1 | 82.1 |
| 160.0 | | 5.431 | 33.600 | 26.516 | 0.3224 | 0.000 | 1.1 | 81.6 |
| 170.0 | | 5.611 | 33.650 | 26.534 | 0.3376 | 0.000 | 1.1 | 79.7 |
| 180.0 | | 5.806 | 33.723 | 26.568 | 0.3526 | 0.000 | 1.1 | 78.2 |
| 190.0 | | 6.207 | 33.851 | 26.619 | 0.3672 | 0.000 | 1.3 | 73.0 |
| 200.0 | | 6.252 | 33.866 | 26.625 | 0.3815 | 0.000 | 1.3 | 71.5 |
| 210.0 | | 5.336 | 33.317 | 26.303 | 0.3964 | 0.000 | 7.9 | 67.0 |



Cruise EN196 Consecutive Station # 142 Depth m:217 Time: 1989-06-05 00:57
 Position: 42° 2.81'N 69° 40.53'W Depth Deck Offset: -0.85 Fish 1

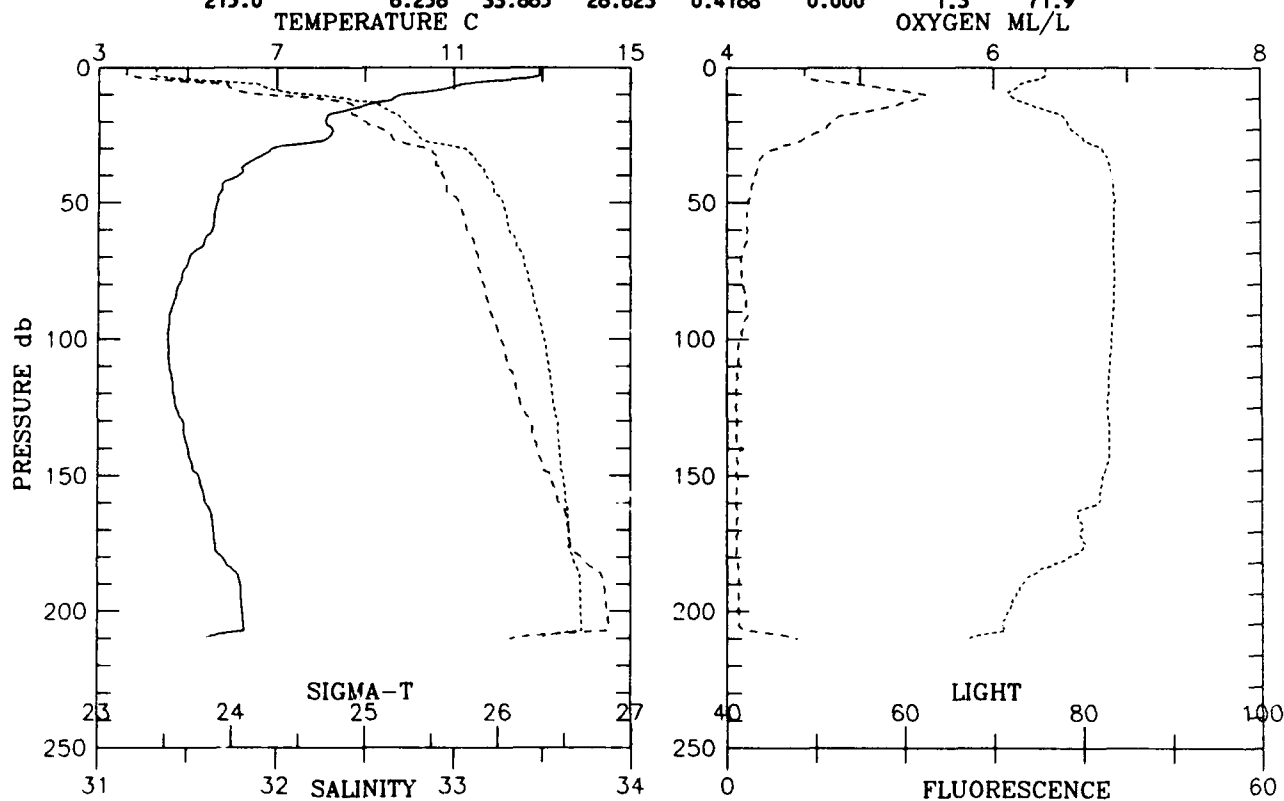
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.009 | 31.011 | 23.303 | 0.0000 | 0.000 | 9.0 |
| 10.0 | | 12.516 | 31.299 | 23.621 | 0.0451 | 0.000 | 9.3 |
| 20.0 | | 8.653 | 32.434 | 25.163 | 0.0798 | 0.000 | 18.4 |
| 30.0 | | 8.154 | 32.632 | 25.392 | 0.1067 | 0.000 | 12.0 |
| 40.0 | | 6.775 | 32.947 | 25.832 | 0.1307 | 0.000 | 3.8 |
| 50.0 | | 5.738 | 33.029 | 26.027 | 0.1512 | 0.000 | 2.4 |
| 60.0 | | 5.250 | 33.112 | 26.150 | 0.1705 | 0.000 | 2.0 |
| 70.0 | | 4.988 | 33.132 | 26.196 | 0.1888 | 0.000 | 1.7 |
| 80.0 | | 4.756 | 33.182 | 26.261 | 0.2066 | 0.000 | 2.2 |
| 90.0 | | 4.578 | 33.231 | 26.319 | 0.2238 | 0.000 | 1.7 |
| 100.0 | | 4.586 | 33.285 | 26.361 | 0.2406 | 0.000 | 1.3 |
| 110.0 | | 4.629 | 33.317 | 26.382 | 0.2572 | 0.000 | 1.1 |
| 120.0 | | 4.691 | 33.353 | 26.404 | 0.2735 | 0.000 | 1.0 |
| 130.0 | | 4.886 | 33.430 | 26.443 | 0.2896 | 0.000 | 1.1 |
| 140.0 | | 5.070 | 33.487 | 26.468 | 0.3053 | 0.000 | 1.0 |
| 150.0 | | 5.239 | 33.540 | 26.491 | 0.3209 | 0.000 | 1.0 |
| 160.0 | | 5.647 | 33.667 | 26.543 | 0.3362 | 0.000 | 1.1 |
| 170.0 | | 5.876 | 33.736 | 26.569 | 0.3511 | 0.000 | 1.2 |
| 180.0 | | 6.057 | 33.799 | 26.597 | 0.3658 | 0.000 | 1.1 |
| 190.0 | | 6.222 | 33.853 | 26.618 | 0.3802 | 0.000 | 1.2 |
| 200.0 | | 6.258 | 33.868 | 26.625 | 0.3945 | 0.000 | 1.2 |
| 210.0 | | 6.282 | 33.875 | 26.628 | 0.4088 | 0.000 | 1.4 |
| 213.0 | | 6.288 | 33.876 | 26.628 | 0.4131 | 0.000 | 1.4 |



Cruise EN196 Consecutive Station # 143 Depth m:218 Time: 1989-06-05 04:04
 Position: 42° 2.81'N 69° 40.51'W Depth Deck Offset: -0.85 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

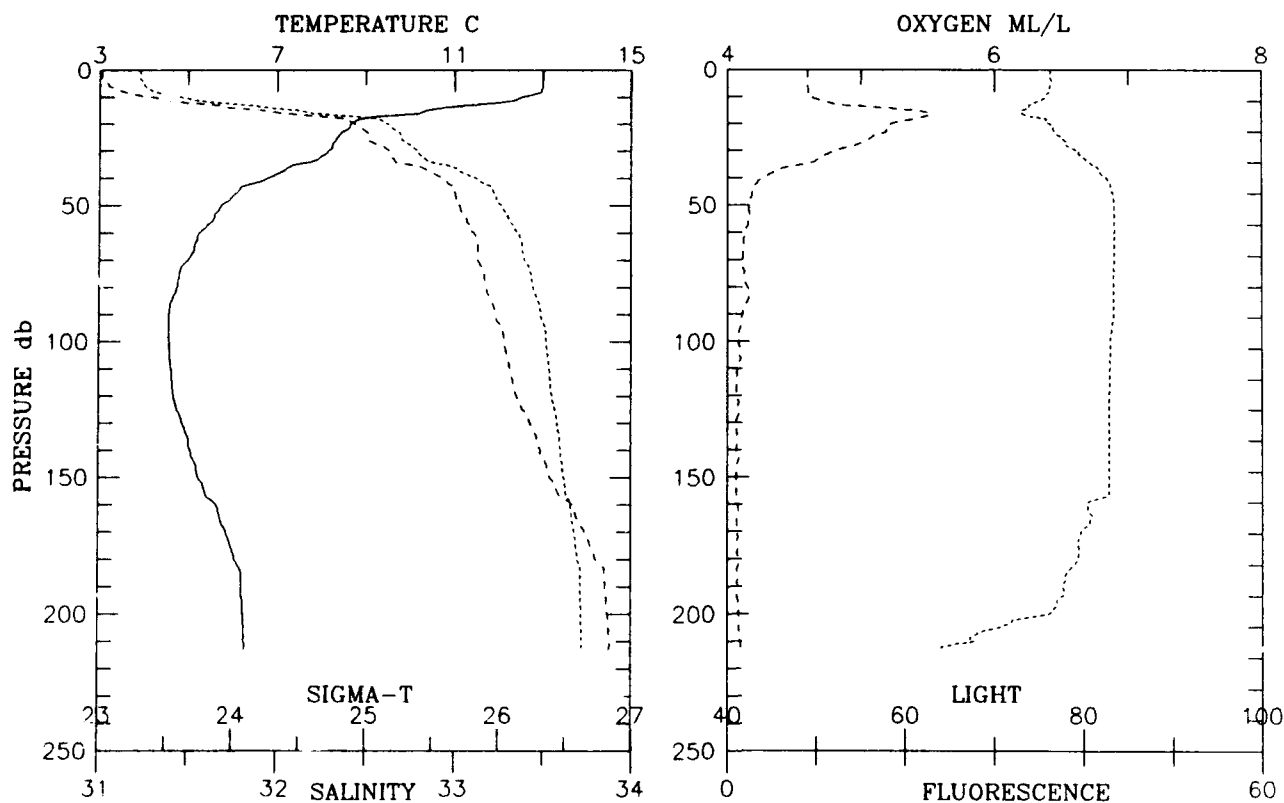
| | | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|------|
| 0.0 | E | 13.163 | 31.034 | 23.292 | 0.0000 | 0.000 | 7.9 | 77.0 |
| 10.0 | | 11.881 | 31.532 | 23.919 | 0.0444 | 0.000 | 10.7 | 74.8 |
| 20.0 | | 9.437 | 32.478 | 25.075 | 0.0767 | 0.000 | 22.1 | 74.5 |
| 30.0 | | 7.780 | 32.637 | 25.450 | 0.1037 | 0.000 | 10.7 | 79.6 |
| 40.0 | | 6.808 | 32.907 | 25.796 | 0.1276 | 0.000 | 4.9 | 82.1 |
| 50.0 | | 6.026 | 33.019 | 25.984 | 0.1489 | 0.000 | 2.7 | 83.2 |
| 60.0 | | 5.550 | 33.071 | 26.083 | 0.1687 | 0.000 | 2.1 | 83.4 |
| 70.0 | | 5.048 | 33.133 | 26.190 | 0.1874 | 0.000 | 1.8 | 83.4 |
| 80.0 | | 4.812 | 33.165 | 26.242 | 0.2053 | 0.000 | 1.6 | 83.4 |
| 90.0 | | 4.628 | 33.195 | 26.285 | 0.2229 | 0.000 | 1.4 | 83.3 |
| 100.0 | | 4.577 | 33.212 | 26.304 | 0.2401 | 0.000 | 1.6 | 83.2 |
| 110.0 | | 4.573 | 33.260 | 26.343 | 0.2571 | 0.000 | 1.5 | 83.2 |
| 120.0 | | 4.619 | 33.313 | 26.380 | 0.2737 | 0.000 | 1.3 | 83.0 |
| 130.0 | | 4.792 | 33.404 | 26.433 | 0.2900 | 0.000 | 1.1 | 82.8 |
| 140.0 | | 4.974 | 33.455 | 26.454 | 0.3059 | 0.000 | 0.9 | 82.9 |
| 150.0 | | 5.348 | 33.570 | 26.502 | 0.3215 | 0.000 | 1.2 | 82.9 |
| 160.0 | | 5.755 | 33.701 | 26.557 | 0.3367 | 0.000 | 1.1 | 82.3 |
| 170.0 | | 5.896 | 33.741 | 26.571 | 0.3515 | 0.000 | 1.1 | 81.1 |
| 180.0 | | 6.059 | 33.796 | 26.594 | 0.3662 | 0.000 | 1.3 | 79.1 |
| 190.0 | | 6.099 | 33.810 | 26.600 | 0.3807 | 0.000 | 1.2 | 77.5 |
| 200.0 | | 6.168 | 33.834 | 26.610 | 0.3952 | 0.000 | 1.3 | 75.2 |
| 210.0 | | 6.234 | 33.858 | 26.621 | 0.4096 | 0.000 | 1.3 | 73.1 |
| 215.0 | | 6.256 | 33.865 | 26.623 | 0.4168 | 0.000 | 1.3 | 71.9 |



Cruise EN196 Consecutive Station # 144 Depth m:216 Time: 1989-06-05 07:09

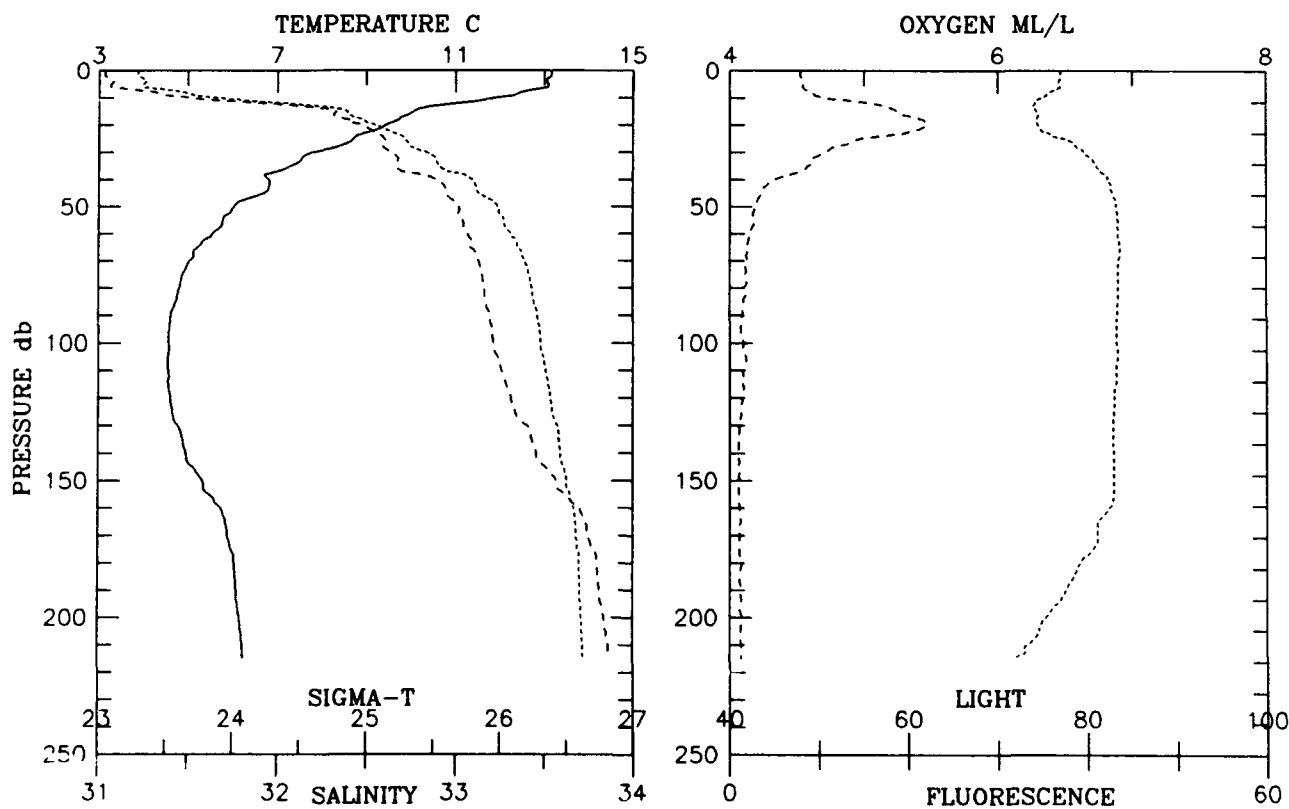
Position: 42° 2.60'N 69° 40.57'W Depth Deck Offset: -0.85 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.294 | 30.920 | 23.178 | 0.000 | 7.6 | 76.5 |
| 10.0 | | 12.272 | 31.125 | 23.532 | 0.0462 | 10.6 | 75.3 |
| 20.0 | | 10.292 | 32.296 | 24.793 | 0.0823 | 19.7 | 74.4 |
| 30.0 | | 7.963 | 32.838 | 25.582 | 0.1091 | 5.8 | 81.2 |
| 40.0 | | 6.273 | 32.986 | 25.927 | 0.1314 | 3.1 | 82.9 |
| 50.0 | | 5.647 | 33.015 | 26.027 | 0.1517 | 2.4 | 83.4 |
| 60.0 | | 5.396 | 33.054 | 26.088 | 0.1711 | 2.1 | 83.6 |
| 70.0 | | 5.087 | 33.118 | 26.174 | 0.1898 | 1.8 | 83.6 |
| 80.0 | | 4.903 | 33.145 | 26.216 | 0.2080 | 1.7 | 83.5 |
| 90.0 | | 4.676 | 33.196 | 26.281 | 0.2258 | 1.7 | 83.5 |
| 100.0 | | 4.559 | 33.256 | 26.341 | 0.2428 | 1.4 | 83.2 |
| 110.0 | | 4.570 | 33.293 | 26.369 | 0.2595 | 1.3 | 83.1 |
| 120.0 | | 4.657 | 33.331 | 26.390 | 0.2760 | 1.1 | 82.7 |
| 130.0 | | 4.752 | 33.384 | 26.422 | 0.2923 | 1.1 | 82.7 |
| 140.0 | | 4.887 | 33.429 | 26.443 | 0.3083 | 1.1 | 82.7 |
| 150.0 | | 5.130 | 33.504 | 26.475 | 0.3240 | 1.0 | 82.8 |
| 160.0 | | 5.529 | 33.625 | 26.524 | 0.3394 | 1.0 | 82.7 |
| 170.0 | | 5.911 | 33.748 | 26.575 | 0.3544 | 1.0 | 81.6 |
| 180.0 | | 6.003 | 33.777 | 26.586 | 0.3691 | 1.1 | 79.4 |
| 190.0 | | 6.023 | 33.785 | 26.590 | 0.3838 | 1.1 | 78.6 |
| 200.0 | | 6.227 | 33.861 | 26.624 | 0.3983 | 1.2 | 75.4 |
| 210.0 | | 6.339 | 33.894 | 26.636 | 0.4126 | 1.4 | 67.4 |



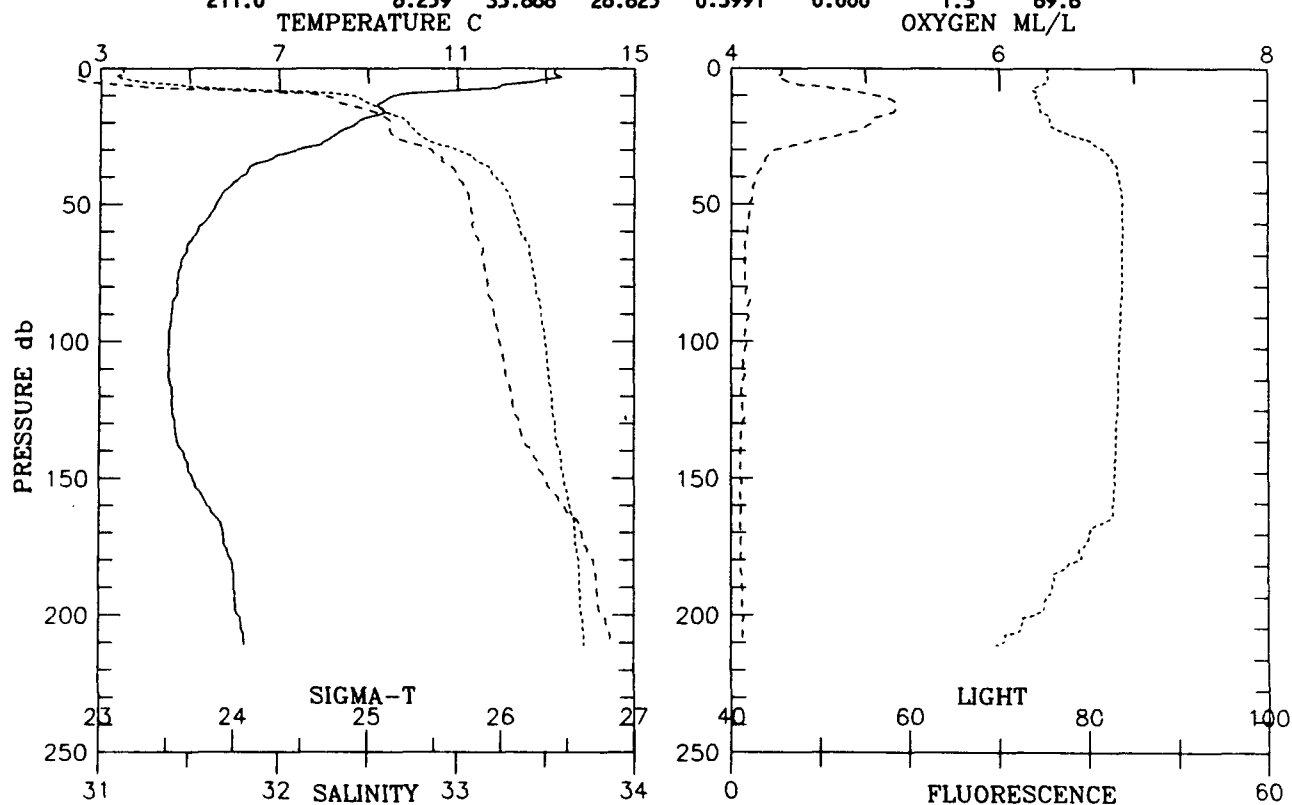
Cruise EN196 Consecutive Station # 145 Depth m:212 Time: 1989-06-05 10:03
 Position: 42° 2.71'N 69° 40.76'W Depth Deck Offset: -0.85 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.484 | 30.859 | 23.093 | 0.0000 | 0.000 | 7.8 | 76.1 |
| 10.0 | 12.228 | 31.188 | 23.589 | 0.0463 | 0.000 | 9.7 | 75.5 |
| 20.0 | 9.198 | 32.618 | 25.223 | 0.0782 | 0.000 | 15.0 | 75.4 |
| 30.0 | 6.786 | 32.935 | 25.821 | 0.1026 | 0.000 | 3.5 | 82.6 |
| 40.0 | 6.191 | 33.003 | 25.951 | 0.1236 | 0.000 | 2.8 | 83.1 |
| 50.0 | 5.851 | 33.032 | 26.016 | 0.1437 | 0.000 | 2.3 | 83.3 |
| 60.0 | 5.275 | 33.095 | 26.134 | 0.1631 | 0.000 | 1.8 | 83.6 |
| 70.0 | 5.012 | 33.132 | 26.193 | 0.1814 | 0.000 | 1.6 | 83.6 |
| 80.0 | 4.819 | 33.158 | 26.235 | 0.1994 | 0.000 | 1.6 | 83.5 |
| 90.0 | 4.780 | 33.167 | 26.247 | 0.2172 | 0.000 | 1.7 | 83.5 |
| 100.0 | 4.585 | 33.226 | 26.315 | 0.2346 | 0.000 | 1.7 | 83.2 |
| 110.0 | 4.559 | 33.260 | 26.344 | 0.2515 | 0.000 | 1.5 | 83.2 |
| 120.0 | 4.623 | 33.320 | 26.385 | 0.2681 | 0.000 | 1.1 | 82.7 |
| 130.0 | 4.768 | 33.392 | 26.426 | 0.2843 | 0.000 | 1.0 | 83.0 |
| 140.0 | 4.928 | 33.444 | 26.450 | 0.3003 | 0.000 | 1.0 | 82.9 |
| 150.0 | 5.178 | 33.525 | 26.486 | 0.3159 | 0.000 | 1.0 | 82.9 |
| 160.0 | 5.523 | 33.622 | 26.522 | 0.3313 | 0.000 | 1.0 | 82.8 |
| 170.0 | 5.711 | 33.678 | 26.544 | 0.3464 | 0.000 | 1.0 | 82.8 |
| 180.0 | 5.953 | 33.765 | 26.583 | 0.3612 | 0.000 | 1.1 | 79.1 |
| 190.0 | 6.128 | 33.822 | 26.606 | 0.3757 | 0.000 | 1.3 | 77.8 |
| 200.0 | 6.168 | 33.835 | 26.611 | 0.3902 | 0.000 | 1.3 | 72.9 |
| 208.0 | 6.213 | 33.856 | 26.622 | 0.4018 | 0.000 | 1.3 | 71.2 |



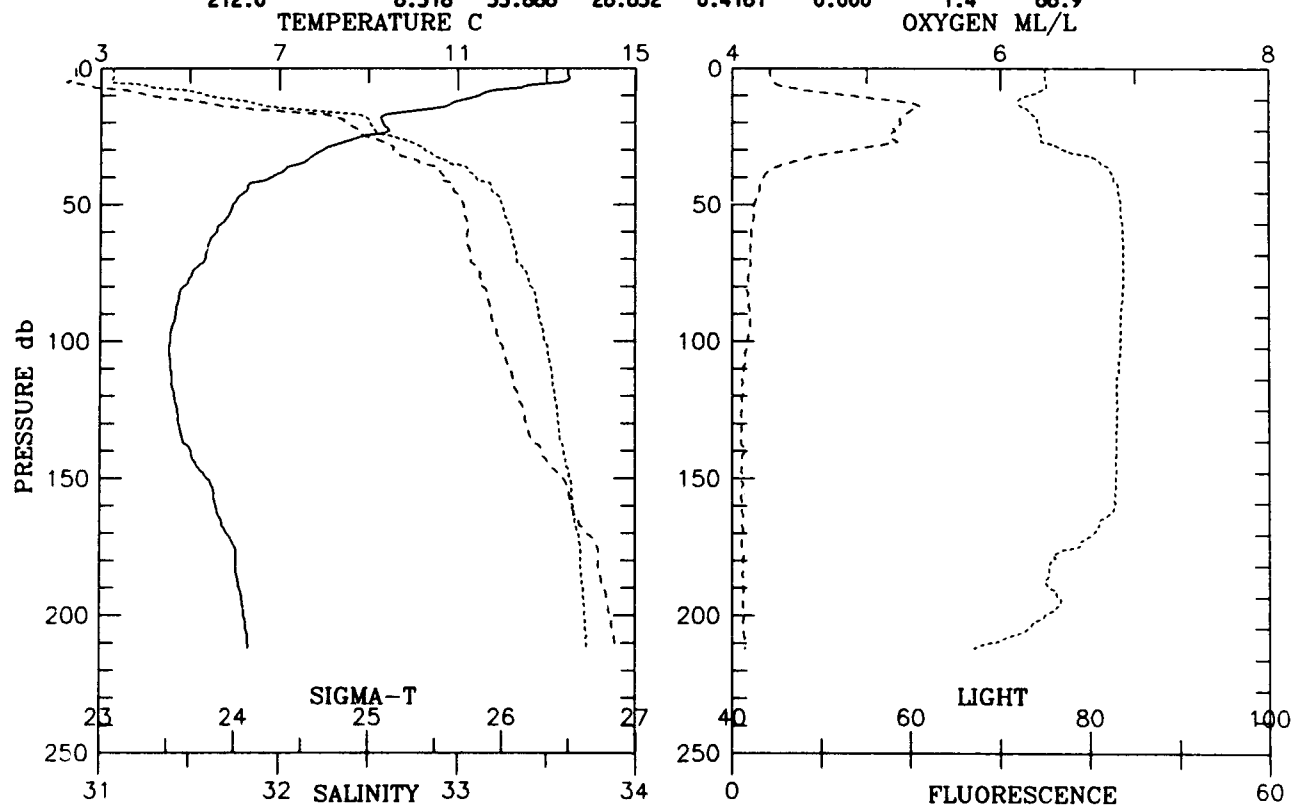
Cruise EN196 Consecutive Station # 146 Depth m:215 Time: 1989-06-05 13:01
 Position: 42° 2.77'N 69° 40.56'W Depth Deck Offset: -0.85 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.199 | 30.889 | 23.172 | 0.0000 | 0.000 | 5.6 | 75.4 |
| 10.0 | 9.562 | 32.261 | 24.886 | 0.0426 | 0.000 | 16.4 | 74.2 |
| 20.0 | 8.747 | 32.626 | 25.299 | 0.0711 | 0.000 | 15.6 | 75.6 |
| 30.0 | 7.408 | 32.861 | 25.679 | 0.0966 | 0.000 | 4.8 | 81.7 |
| 40.0 | 6.141 | 33.010 | 25.963 | 0.1180 | 0.000 | 2.8 | 83.3 |
| 50.0 | 5.590 | 33.075 | 26.081 | 0.1377 | 0.000 | 2.0 | 83.7 |
| 60.0 | 5.191 | 33.094 | 26.143 | 0.1567 | 0.000 | 1.8 | 83.8 |
| 70.0 | 4.840 | 33.152 | 26.228 | 0.1748 | 0.000 | 1.6 | 83.7 |
| 80.0 | 4.740 | 33.175 | 26.257 | 0.1925 | 0.000 | 1.8 | 83.6 |
| 90.0 | 4.611 | 33.210 | 26.299 | 0.2099 | 0.000 | 1.8 | 83.5 |
| 100.0 | 4.560 | 33.241 | 26.329 | 0.2270 | 0.000 | 1.6 | 83.4 |
| 110.0 | 4.569 | 33.273 | 26.354 | 0.2438 | 0.000 | 1.3 | 83.3 |
| 120.0 | 4.626 | 33.314 | 26.380 | 0.2604 | 0.000 | 1.2 | 83.2 |
| 130.0 | 4.694 | 33.354 | 26.404 | 0.2767 | 0.000 | 1.2 | 83.0 |
| 140.0 | 4.881 | 33.431 | 26.445 | 0.2929 | 0.000 | 1.1 | 83.0 |
| 150.0 | 5.097 | 33.496 | 26.472 | 0.3087 | 0.000 | 1.0 | 82.8 |
| 160.0 | 5.420 | 33.599 | 26.516 | 0.3241 | 0.000 | 1.1 | 82.5 |
| 170.0 | 5.776 | 33.703 | 26.556 | 0.3392 | 0.000 | 1.1 | 80.0 |
| 180.0 | 5.973 | 33.773 | 26.587 | 0.3540 | 0.000 | 1.2 | 78.7 |
| 190.0 | 6.030 | 33.788 | 26.591 | 0.3686 | 0.000 | 1.3 | 75.8 |
| 200.0 | 6.111 | 33.819 | 26.606 | 0.3832 | 0.000 | 1.3 | 73.8 |
| 210.0 | 6.255 | 33.866 | 26.624 | 0.3976 | 0.000 | 1.3 | 70.3 |
| 211.0 | 6.259 | 33.868 | 26.625 | 0.3991 | 0.000 | 1.3 | 69.6 |



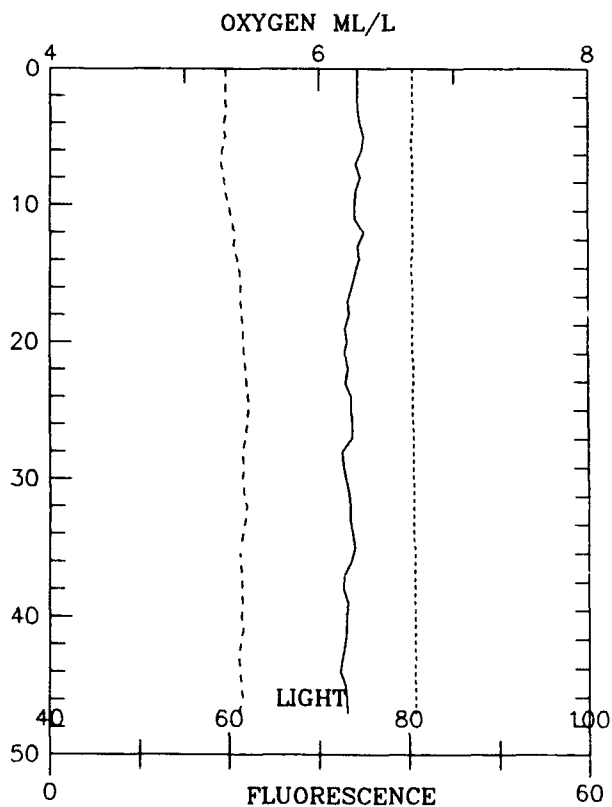
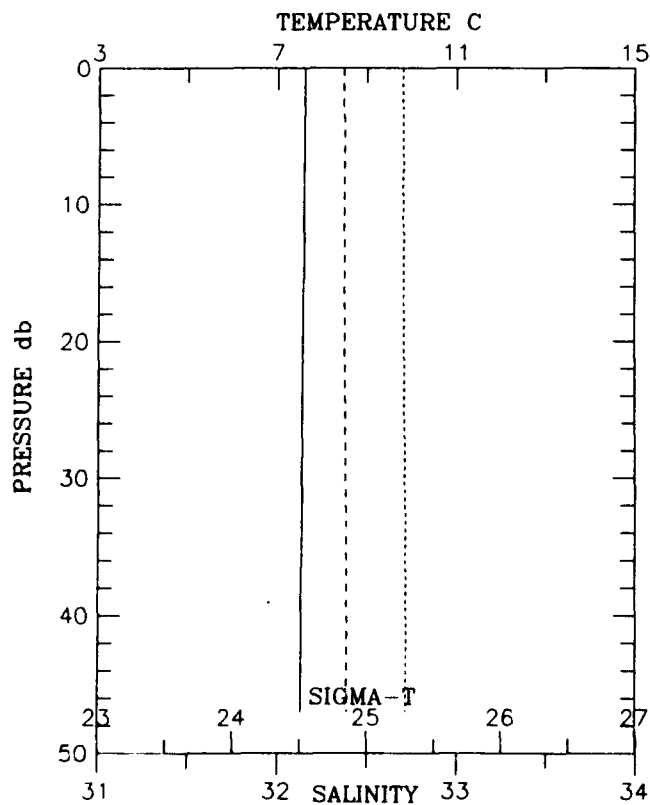
Cruise EN196 Consecutive Station # 147 Depth m:216 Time: 1989-06-05 15:33
 Position: 42° 2.78'N 69° 40.48'W Depth Deck Offset: -0.85 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.474 | 30.859 | 23.095 | 0.0000 | 0.000 | 4.2 | 75.0 |
| 10.0 | 11.480 | 31.275 | 23.792 | 0.0458 | 0.000 | 13.5 | 73.0 |
| 20.0 | 9.313 | 32.364 | 25.006 | 0.0802 | 0.000 | 18.9 | 74.2 |
| 30.0 | 7.988 | 32.633 | 25.417 | 0.1080 | 0.000 | 13.3 | 77.1 |
| 40.0 | 6.831 | 32.924 | 25.806 | 0.1315 | 0.000 | 3.5 | 82.6 |
| 50.0 | 5.956 | 33.034 | 26.005 | 0.1523 | 0.000 | 2.4 | 83.4 |
| 60.0 | 5.601 | 33.058 | 26.067 | 0.1720 | 0.000 | 2.1 | 83.6 |
| 70.0 | 5.342 | 33.075 | 26.111 | 0.1911 | 0.000 | 2.0 | 83.7 |
| 80.0 | 4.860 | 33.141 | 26.217 | 0.2095 | 0.000 | 1.7 | 83.7 |
| 90.0 | 4.684 | 33.191 | 26.276 | 0.2271 | 0.000 | 2.0 | 83.4 |
| 100.0 | 4.571 | 33.227 | 26.317 | 0.2444 | 0.000 | 1.8 | 83.3 |
| 110.0 | 4.576 | 33.294 | 26.370 | 0.2611 | 0.000 | 1.3 | 83.2 |
| 120.0 | 4.666 | 33.342 | 26.398 | 0.2775 | 0.000 | 1.1 | 83.0 |
| 130.0 | 4.766 | 33.389 | 26.424 | 0.2937 | 0.000 | 1.1 | 83.0 |
| 140.0 | 5.034 | 33.474 | 26.462 | 0.3096 | 0.000 | 1.6 | 82.9 |
| 150.0 | 5.392 | 33.593 | 26.515 | 0.3252 | 0.000 | 1.0 | 82.8 |
| 160.0 | 5.591 | 33.643 | 26.531 | 0.3403 | 0.000 | 1.1 | 82.7 |
| 170.0 | 5.833 | 33.725 | 26.566 | 0.3553 | 0.000 | 1.2 | 80.3 |
| 180.0 | 6.043 | 33.790 | 26.591 | 0.3700 | 0.000 | 1.2 | 75.7 |
| 190.0 | 6.121 | 33.822 | 26.607 | 0.3845 | 0.000 | 1.2 | 75.4 |
| 200.0 | 6.224 | 33.855 | 26.620 | 0.3989 | 0.000 | 1.3 | 74.9 |
| 210.0 | 6.312 | 33.885 | 26.632 | 0.4132 | 0.000 | 1.3 | 68.7 |
| 212.0 | 6.318 | 33.886 | 26.632 | 0.4161 | 0.000 | 1.4 | 66.9 |



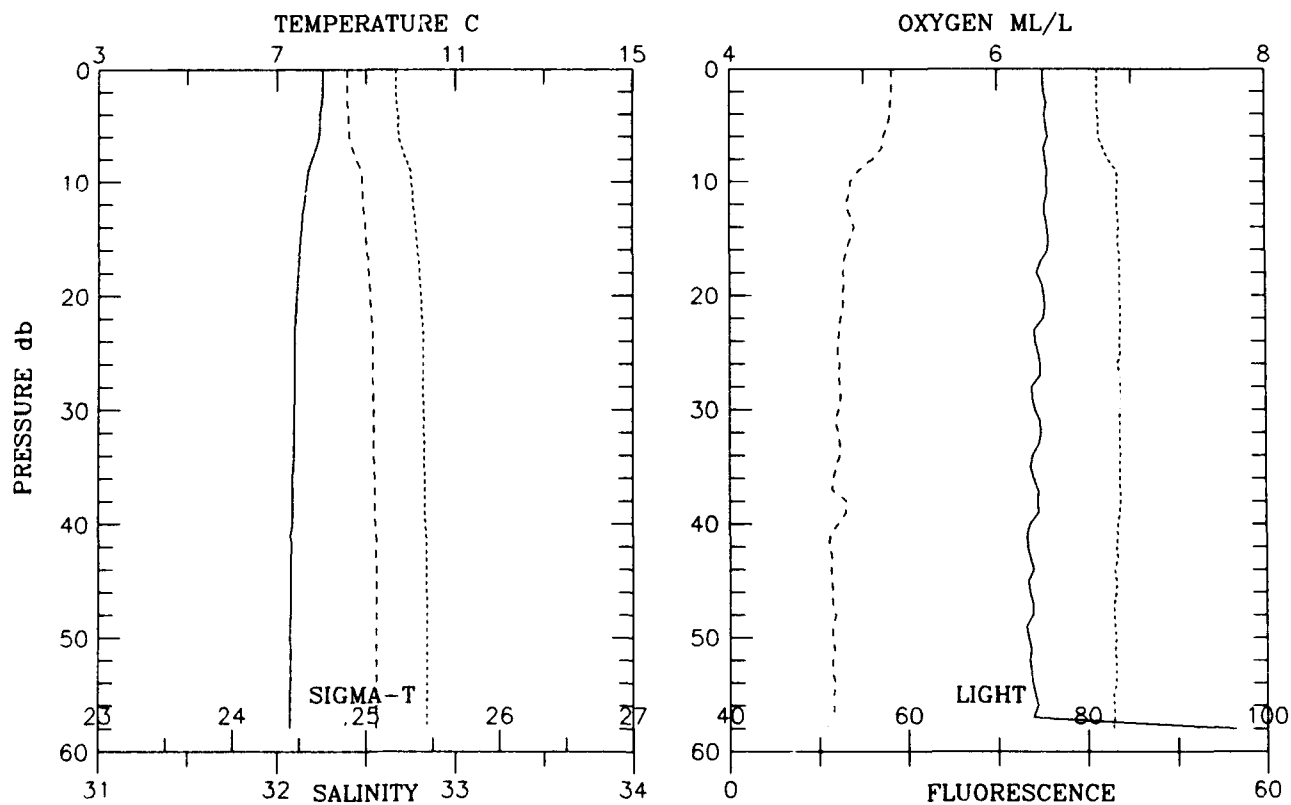
Cruise EN196 Consecutive Station # 149 Depth m:49 Time: 1989-06-08 02:13
 Position: 41° 0.10'N 69° 18.70'W Depth Deck Offset: -0.23 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 7.594 | 32.370 | 25.267 | 0.0000 | 6.286 | 19.6 | 80.4 |
| 5.0 | 7.591 | 32.371 | 25.268 | 0.0133 | 6.328 | 19.5 | 80.3 |
| 10.0 | 7.585 | 32.372 | 25.270 | 0.0266 | 6.266 | 20.0 | 80.4 |
| 15.0 | 7.584 | 32.371 | 25.269 | 0.0398 | 6.267 | 21.2 | 80.3 |
| 20.0 | 7.564 | 32.375 | 25.275 | 0.0531 | 6.211 | 21.6 | 80.4 |
| 25.0 | 7.556 | 32.378 | 25.278 | 0.0664 | 6.239 | 22.2 | 80.4 |
| 30.0 | 7.548 | 32.380 | 25.281 | 0.0796 | 6.199 | 21.5 | 80.5 |
| 35.0 | 7.541 | 32.384 | 25.285 | 0.0928 | 6.262 | 21.2 | 80.6 |
| 40.0 | 7.533 | 32.385 | 25.287 | 0.1060 | 6.202 | 21.3 | 80.6 |
| 45.0 | 7.525 | 32.388 | 25.290 | 0.1192 | 6.193 | 21.3 | 80.7 |
| 47.0 | 7.522 | 32.389 | 25.292 | 0.1245 | 6.210 | 21.1 | 80.7 |



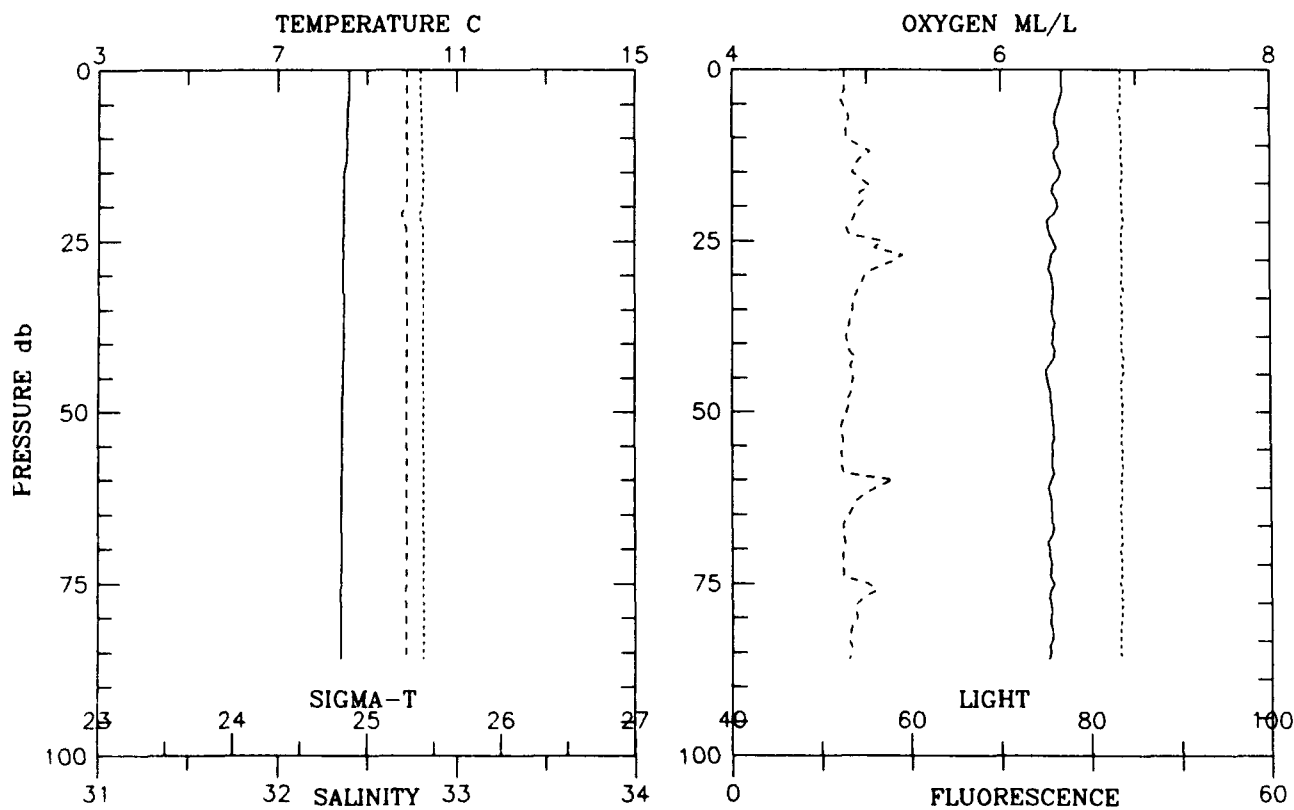
Cruise EN196 Consecutive Station # 150 Depth m:54 Time: 1989-06-08 03:29
 Position: 40° 59.90'N 69° 10.60'W Depth Deck Offset: -0.23 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 8.024 | 32.394 | 25.224 | 0.0000 | 6.347 | 18.2 | 81.2 |
| 5.0 | | 7.968 | 32.402 | 25.239 | 0.0135 | 6.366 | 17.8 | 81.4 |
| 10.0 | | 7.674 | 32.478 | 25.340 | 0.0267 | 6.370 | 13.6 | 83.5 |
| 15.0 | | 7.521 | 32.501 | 25.380 | 0.0395 | 6.382 | 13.6 | 83.5 |
| 20.0 | | 7.438 | 32.522 | 25.408 | 0.0522 | 6.347 | 12.7 | 83.6 |
| 25.0 | | 7.394 | 32.535 | 25.424 | 0.0648 | 6.301 | 12.1 | 83.7 |
| 30.0 | | 7.384 | 32.542 | 25.431 | 0.0773 | 6.279 | 12.2 | 83.6 |
| 35.0 | | 7.368 | 32.547 | 25.437 | 0.0898 | 6.243 | 11.9 | 83.6 |
| 40.0 | | 7.347 | 32.552 | 25.444 | 0.1023 | 6.240 | 12.1 | 83.4 |
| 45.0 | | 7.311 | 32.557 | 25.453 | 0.1147 | 6.224 | 11.4 | 83.2 |
| 50.0 | | 7.300 | 32.559 | 25.456 | 0.1271 | 6.222 | 11.5 | 83.1 |
| 55.0 | | 7.299 | 32.559 | 25.456 | 0.1396 | 6.272 | 11.6 | 82.8 |
| 58.0 | | 7.299 | 32.559 | 25.456 | 0.1470 | 7.764 | 10.6 | 82.8 |



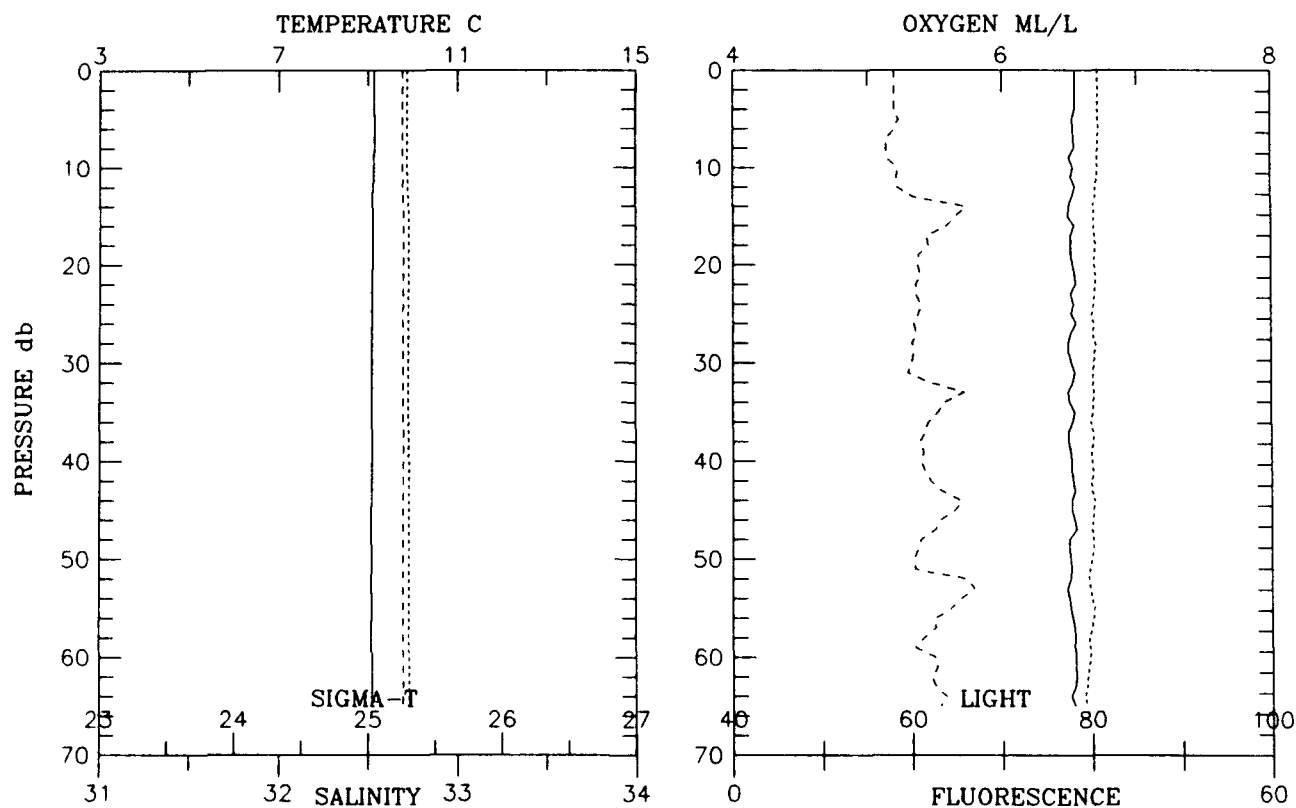
Cruise EN196 Consecutive Station # 151 Depth m:89 Time: 1989-06-08 05:49
 Position: 41° 0.00'N 69° 0.40'W Depth Deck Offset: -0.23 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 8.587 | 32.722 | 25.399 | 0.0000 | 6.452 | 12.6 |
| 5.0 | | 8.579 | 32.722 | 25.400 | 0.0127 | 6.432 | 12.4 |
| 10.0 | | 8.546 | 32.723 | 25.406 | 0.0253 | 6.424 | 12.8 |
| 15.0 | | 8.479 | 32.723 | 25.416 | 0.0379 | 6.443 | 13.4 |
| 20.0 | | 8.476 | 32.714 | 25.409 | 0.0505 | 6.422 | 14.1 |
| 25.0 | | 8.465 | 32.722 | 25.417 | 0.0632 | 6.390 | 16.8 |
| 30.0 | | 8.460 | 32.722 | 25.418 | 0.0758 | 6.377 | 14.8 |
| 35.0 | | 8.479 | 32.723 | 25.416 | 0.0884 | 6.374 | 13.4 |
| 40.0 | | 8.476 | 32.723 | 25.416 | 0.1010 | 6.379 | 12.9 |
| 45.0 | | 8.457 | 32.722 | 25.418 | 0.1136 | 6.341 | 13.5 |
| 50.0 | | 8.450 | 32.722 | 25.419 | 0.1262 | 6.376 | 12.8 |
| 55.0 | | 8.441 | 32.721 | 25.420 | 0.1388 | 6.374 | 12.4 |
| 60.0 | | 8.433 | 32.721 | 25.421 | 0.1514 | 6.369 | 18.0 |
| 65.0 | | 8.425 | 32.720 | 25.421 | 0.1640 | 6.373 | 13.1 |
| 70.0 | | 8.422 | 32.720 | 25.422 | 0.1766 | 6.353 | 12.4 |
| 75.0 | | 8.422 | 32.720 | 25.422 | 0.1892 | 6.387 | 15.2 |
| 80.0 | | 8.414 | 32.719 | 25.422 | 0.2018 | 6.360 | 13.9 |
| 85.0 | | 8.411 | 32.719 | 25.423 | 0.2145 | 6.362 | 13.3 |
| 86.0 | | 8.412 | 32.719 | 25.422 | 0.2170 | 6.352 | 13.0 |



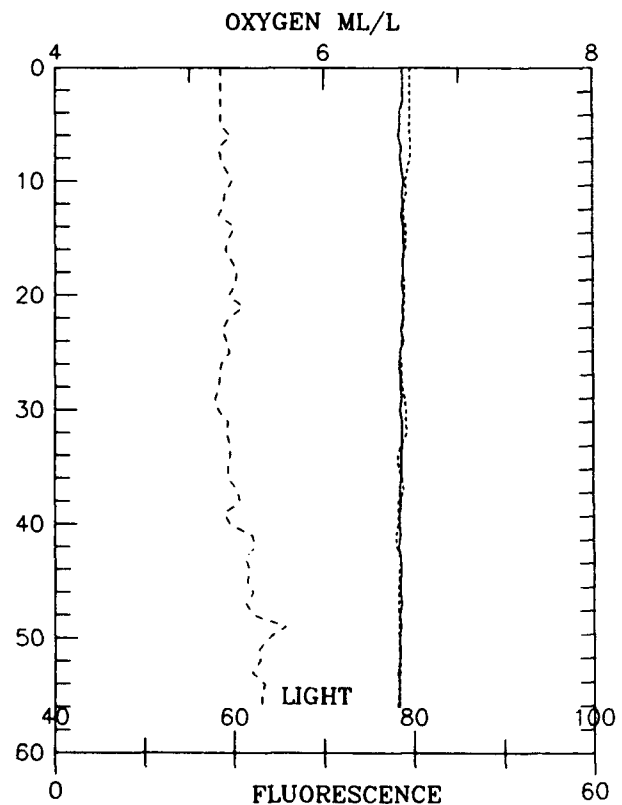
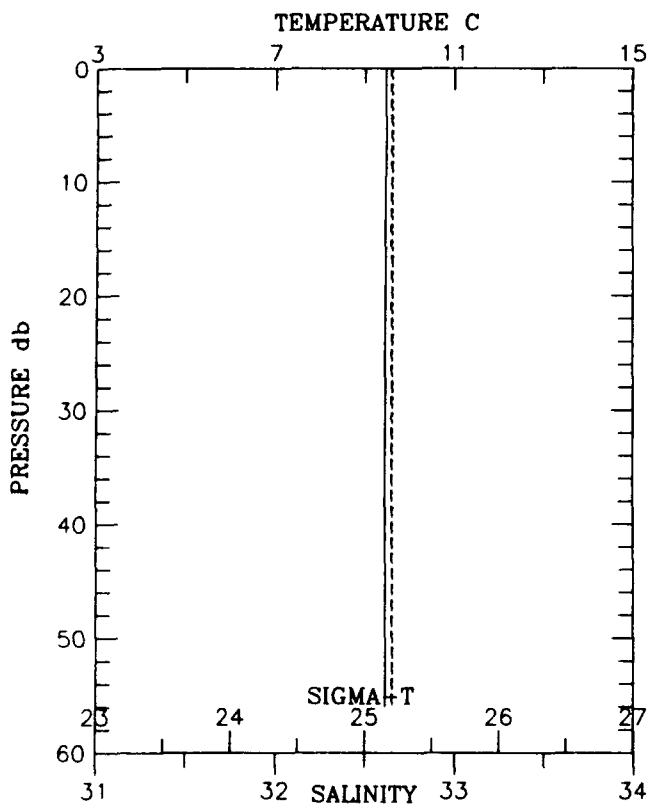
Cruise EN196 Consecutive Station # 152 Depth m:64 Time: 1989-06-08 08:15
 Position: 41° 0.00'N 68° 48.30'W Depth Deck Offset: -0.23 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.135 | 32.693 | 25.291 | 0.0000 | 6.542 | 18.0 | 80.7 |
| 5.0 | 9.140 | 32.692 | 25.290 | 0.0132 | 6.524 | 18.5 | 80.7 |
| 10.0 | 9.130 | 32.693 | 25.292 | 0.0264 | 6.528 | 18.4 | 80.7 |
| 15.0 | 9.102 | 32.695 | 25.298 | 0.0395 | 6.489 | 24.8 | 80.2 |
| 20.0 | 9.098 | 32.695 | 25.299 | 0.0527 | 6.524 | 20.6 | 80.3 |
| 25.0 | 9.090 | 32.691 | 25.297 | 0.0658 | 6.514 | 20.7 | 80.0 |
| 30.0 | 9.089 | 32.696 | 25.301 | 0.0790 | 6.516 | 20.0 | 80.2 |
| 35.0 | 9.086 | 32.696 | 25.301 | 0.0922 | 6.538 | 22.9 | 80.1 |
| 40.0 | 9.083 | 32.696 | 25.302 | 0.1053 | 6.516 | 21.0 | 80.0 |
| 45.0 | 9.074 | 32.697 | 25.304 | 0.1185 | 6.516 | 24.7 | 80.1 |
| 50.0 | 9.079 | 32.697 | 25.303 | 0.1316 | 6.504 | 20.2 | 79.9 |
| 55.0 | 9.080 | 32.697 | 25.303 | 0.1448 | 6.508 | 24.3 | 80.2 |
| 60.0 | 9.078 | 32.697 | 25.303 | 0.1580 | 6.538 | 22.5 | 79.7 |
| 65.0 | 9.081 | 32.696 | 25.302 | 0.1711 | 6.533 | 23.0 | 79.3 |



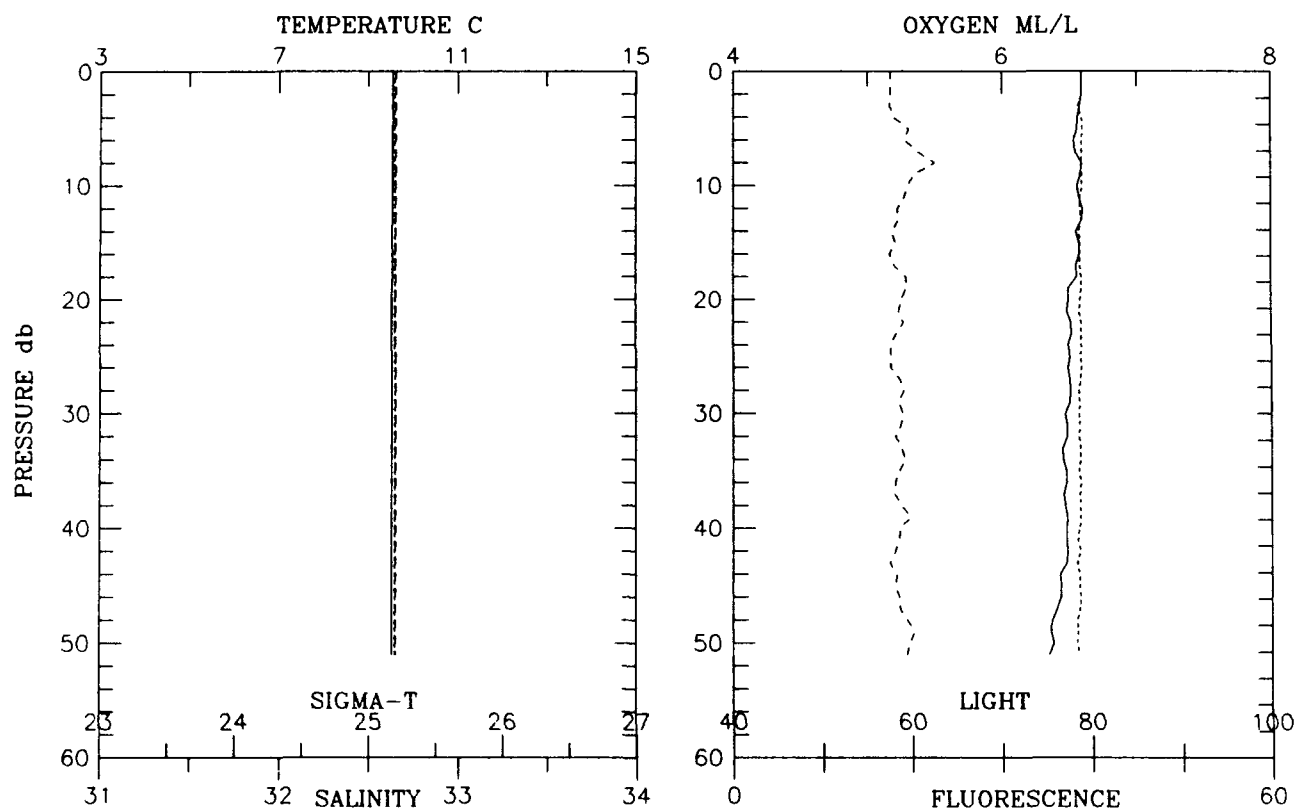
Cruise EN196 Consecutive Station # 153 Depth m:61 Time: 1989-06-08 09:32
 Position: 40° 59.90'N 68° 38.50'W Depth Deck Offset: -0.23 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.460 | 32.646 | 25.203 | 0.0000 | 6.585 | 18.5 | 79.6 |
| 5.0 | | 9.461 | 32.647 | 25.203 | 0.0136 | 6.562 | 18.4 | 79.5 |
| 10.0 | | 9.450 | 32.647 | 25.205 | 0.0272 | 6.591 | 19.8 | 79.1 |
| 15.0 | | 9.448 | 32.646 | 25.204 | 0.0408 | 6.590 | 19.4 | 79.2 |
| 20.0 | | 9.448 | 32.647 | 25.205 | 0.0544 | 6.593 | 19.4 | 79.0 |
| 25.0 | | 9.447 | 32.647 | 25.205 | 0.0680 | 6.570 | 19.5 | 78.5 |
| 30.0 | | 9.450 | 32.647 | 25.205 | 0.0816 | 6.563 | 18.2 | 79.1 |
| 35.0 | | 9.448 | 32.647 | 25.205 | 0.0952 | 6.572 | 19.3 | 78.3 |
| 40.0 | | 9.448 | 32.647 | 25.205 | 0.1089 | 6.560 | 19.5 | 78.2 |
| 45.0 | | 9.448 | 32.647 | 25.205 | 0.1225 | 6.565 | 21.4 | 78.3 |
| 50.0 | | 9.447 | 32.647 | 25.205 | 0.1361 | 6.555 | 23.7 | 78.2 |
| 55.0 | | 9.447 | 32.647 | 25.205 | 0.1498 | 6.555 | 23.0 | 78.2 |
| 56.0 | | 9.447 | 32.647 | 25.205 | 0.1525 | 6.556 | 23.0 | 78.1 |



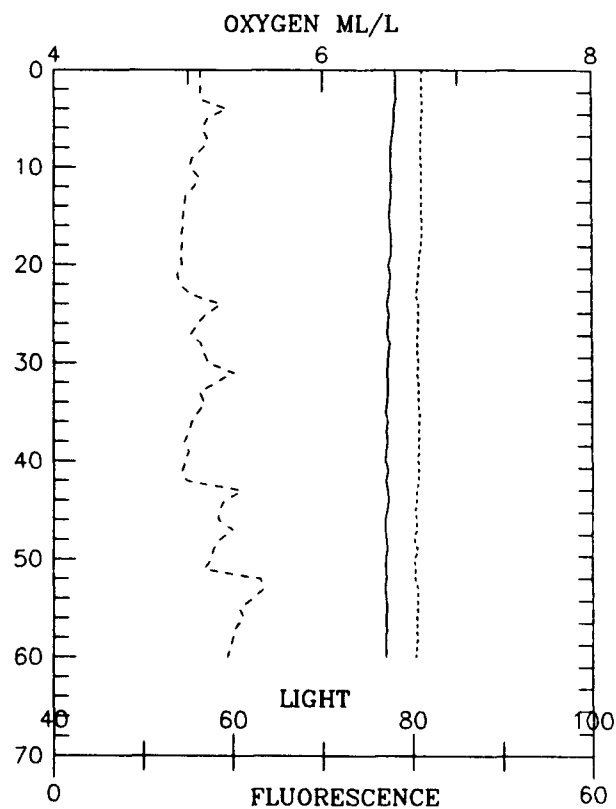
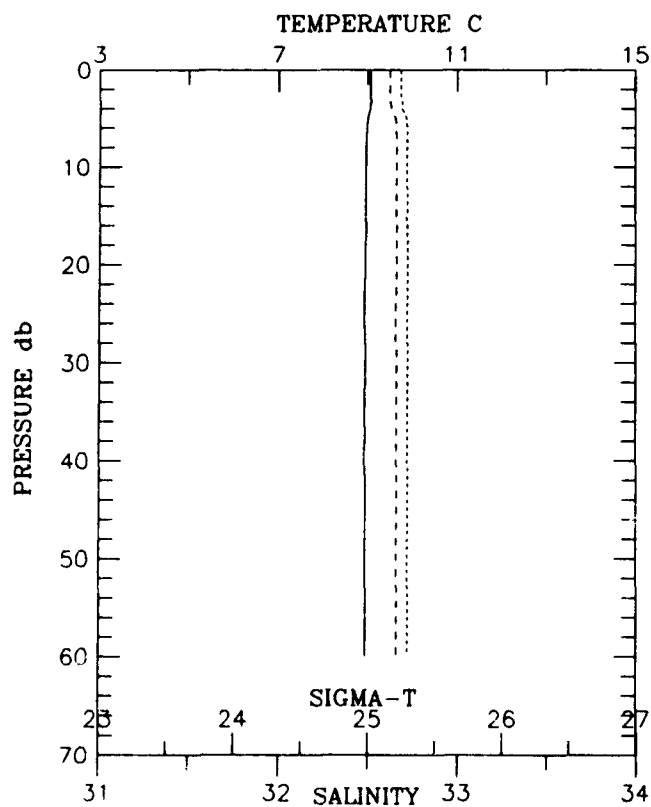
Cruise EN196 Consecutive Station # 154 Depth m:55 Time: 1989-06-08 11:16
 Position: 41° 10.00'N 68° 28.60'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.541 | 32.654 | 25.196 | 0.0000 | 6.593 | 17.6 | 78.9 |
| 5.0 | | 9.540 | 32.652 | 25.194 | 0.0136 | 6.557 | 19.6 | 79.0 |
| 10.0 | | 9.534 | 32.653 | 25.196 | 0.0273 | 6.558 | 19.5 | 78.9 |
| 15.0 | | 9.530 | 32.653 | 25.197 | 0.0409 | 6.571 | 18.1 | 78.7 |
| 20.0 | | 9.530 | 32.653 | 25.197 | 0.0546 | 6.488 | 18.8 | 78.7 |
| 25.0 | | 9.524 | 32.653 | 25.198 | 0.0682 | 6.499 | 17.6 | 78.7 |
| 30.0 | | 9.526 | 32.653 | 25.197 | 0.0819 | 6.467 | 18.9 | 78.5 |
| 35.0 | | 9.521 | 32.653 | 25.198 | 0.0955 | 6.475 | 18.5 | 78.5 |
| 40.0 | | 9.521 | 32.653 | 25.198 | 0.1092 | 6.476 | 18.6 | 78.6 |
| 45.0 | | 9.521 | 32.653 | 25.198 | 0.1228 | 6.432 | 18.1 | 78.6 |
| 50.0 | | 9.522 | 32.653 | 25.198 | 0.1365 | 6.380 | 19.7 | 78.3 |
| 51.0 | | 9.523 | 32.653 | 25.198 | 0.1392 | 6.343 | 19.4 | 78.5 |



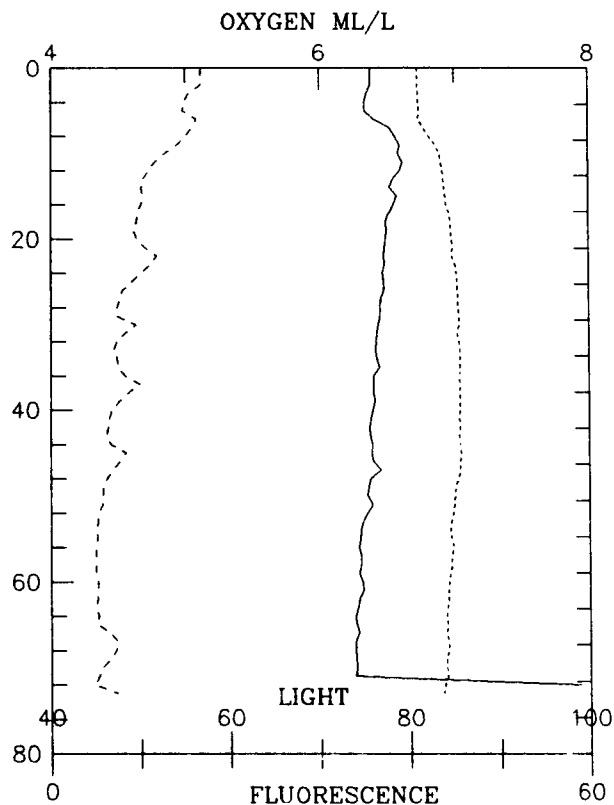
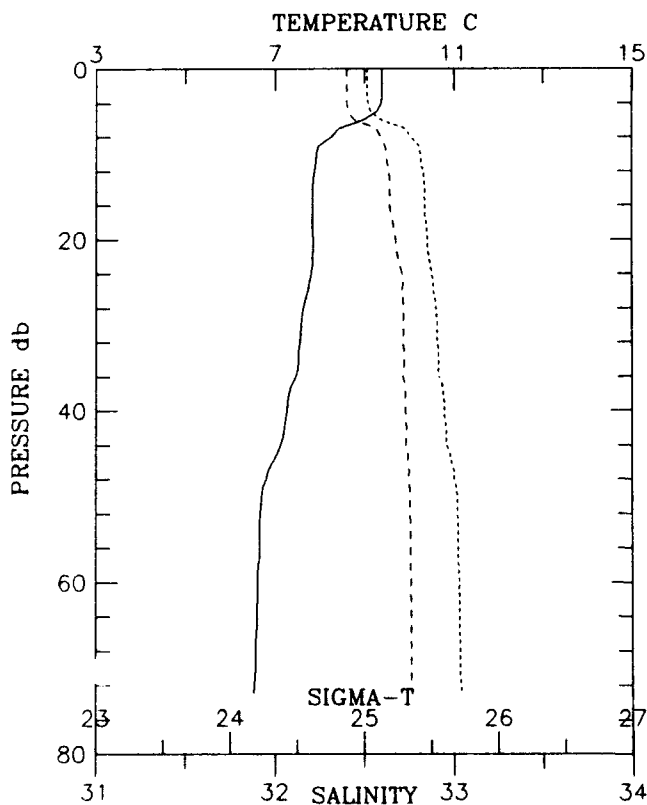
Cruise EN196 Consecutive Station # 155 Depth m:62 Time: 1989-06-08 12:17
 Position: 41° 13.20'N 68° 35.80'W Depth Deck Offset: -0.33 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.059 | 32.624 | 25.249 | 0.0000 | 6.541 | 16.4 | 81.1 |
| 5.0 | | 8.981 | 32.653 | 25.284 | 0.0134 | 6.528 | 17.1 | 81.0 |
| 10.0 | | 8.958 | 32.659 | 25.292 | 0.0265 | 6.508 | 15.2 | 81.0 |
| 15.0 | | 8.961 | 32.660 | 25.293 | 0.0397 | 6.498 | 14.5 | 81.0 |
| 20.0 | | 8.934 | 32.659 | 25.296 | 0.0529 | 6.485 | 14.3 | 80.7 |
| 25.0 | | 8.931 | 32.657 | 25.295 | 0.0660 | 6.488 | 17.1 | 80.6 |
| 30.0 | | 8.934 | 32.659 | 25.296 | 0.0792 | 6.480 | 17.2 | 80.6 |
| 35.0 | | 8.932 | 32.660 | 25.297 | 0.0924 | 6.467 | 16.1 | 80.8 |
| 40.0 | | 8.931 | 32.659 | 25.296 | 0.1056 | 6.469 | 14.7 | 80.6 |
| 45.0 | | 8.934 | 32.659 | 25.296 | 0.1188 | 6.478 | 18.4 | 80.3 |
| 50.0 | | 8.935 | 32.659 | 25.296 | 0.1320 | 6.467 | 17.6 | 80.2 |
| 55.0 | | 8.933 | 32.659 | 25.296 | 0.1451 | 6.471 | 20.7 | 80.5 |
| 60.0 | | 8.933 | 32.659 | 25.296 | 0.1583 | 6.468 | 19.4 | 80.3 |



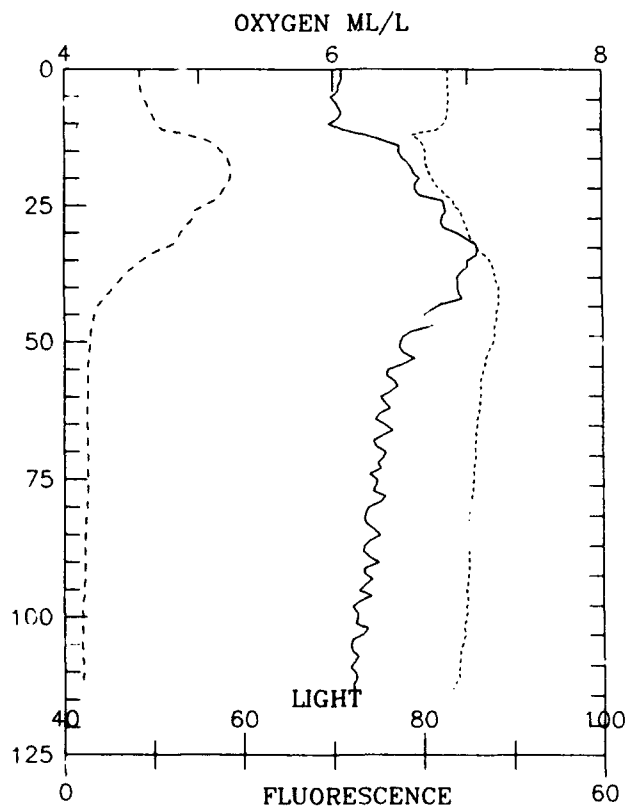
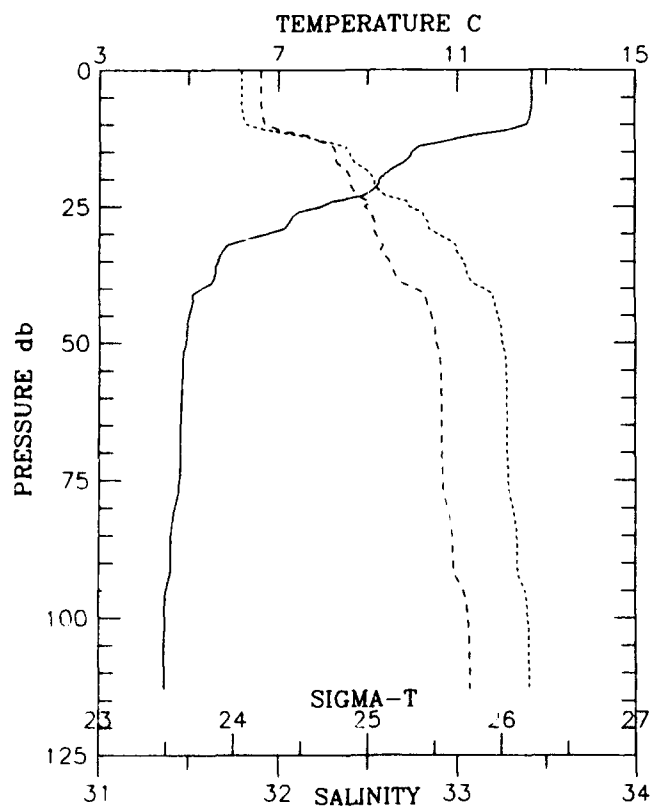
Cruise EN196 Consecutive Station # 156 Depth m:75 Time: 1989-06-08 13:16
 Position: 41° 16.00'N 68° 43.20'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.399 | 32.401 | 25.021 | 0.0000 | 6.378 | 16.8 | 80.9 |
| 5.0 | | 9.278 | 32.406 | 25.044 | 0.0144 | 6.335 | 14.7 | 81.1 |
| 10.0 | | 7.914 | 32.621 | 25.418 | 0.0277 | 6.583 | 12.8 | 83.4 |
| 15.0 | | 7.826 | 32.641 | 25.447 | 0.0401 | 6.571 | 10.3 | 84.0 |
| 20.0 | | 7.850 | 32.674 | 25.470 | 0.0525 | 6.491 | 9.6 | 84.7 |
| 25.0 | | 7.756 | 32.713 | 25.513 | 0.0648 | 6.475 | 9.0 | 85.3 |
| 30.0 | | 7.586 | 32.719 | 25.542 | 0.0768 | 6.433 | 9.5 | 85.5 |
| 35.0 | | 7.508 | 32.721 | 25.554 | 0.0888 | 6.444 | 7.5 | 85.6 |
| 40.0 | | 7.261 | 32.730 | 25.596 | 0.1006 | 6.394 | 6.8 | 85.6 |
| 45.0 | | 7.039 | 32.744 | 25.637 | 0.1123 | 6.382 | 8.4 | 85.7 |
| 50.0 | | 6.696 | 32.755 | 25.691 | 0.1237 | 6.351 | 5.8 | 85.0 |
| 55.0 | | 6.660 | 32.757 | 25.697 | 0.1349 | 6.297 | 5.1 | 84.6 |
| 60.0 | | 6.612 | 32.760 | 25.706 | 0.1462 | 6.312 | 5.2 | 84.3 |
| 65.0 | | 6.594 | 32.761 | 25.709 | 0.1574 | 6.266 | 5.1 | 84.1 |
| 70.0 | | 6.561 | 32.762 | 25.714 | 0.1686 | 6.267 | 5.7 | 84.0 |
| 73.0 | | 6.529 | 32.765 | 25.721 | 0.1753 | 8.217 | 7.4 | 83.6 |



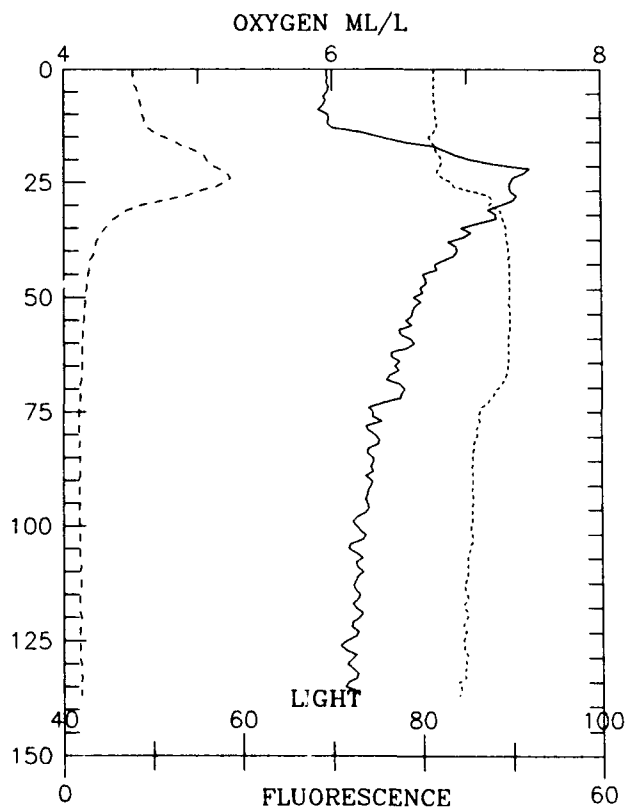
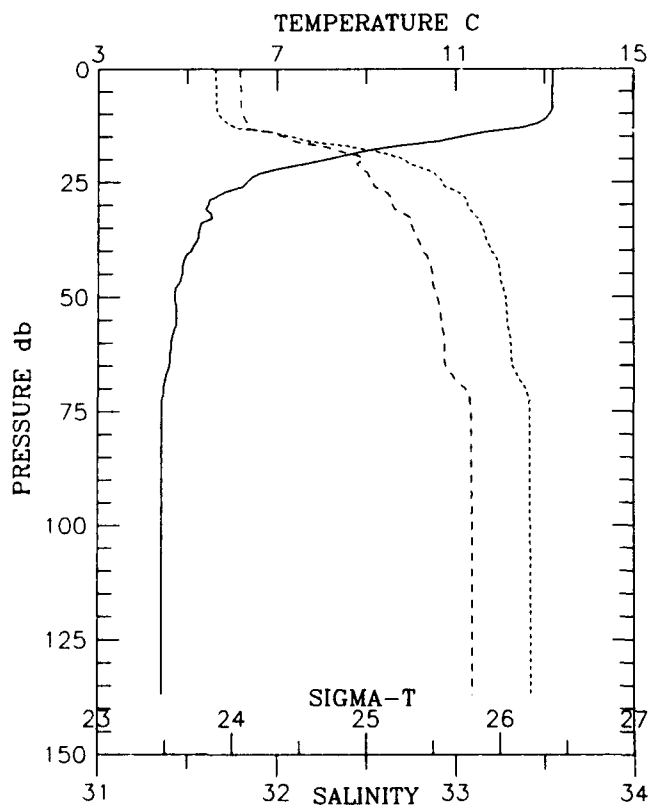
Cruise EN196 Consecutive Station # 157 Depth m:114 Time: 1989-06-08 14:50
 Position: 41° 18.50'N 68° 49.70'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.675 | 31.902 | 24.057 | 0.0000 | 6.063 | 8.4 | 82.8 |
| 10.0 | 12.562 | 31.925 | 24.097 | 0.0381 | 5.974 | 10.3 | 82.4 |
| 20.0 | 9.252 | 32.403 | 25.046 | 0.0697 | 6.641 | 18.5 | 81.1 |
| 30.0 | 6.763 | 32.541 | 25.513 | 0.0961 | 6.923 | 13.0 | 85.1 |
| 40.0 | 5.303 | 32.764 | 25.869 | 0.1185 | 6.927 | 5.5 | 88.5 |
| 50.0 | 4.941 | 32.881 | 26.002 | 0.1383 | 6.495 | 2.8 | 87.8 |
| 60.0 | 4.844 | 32.913 | 26.038 | 0.1576 | 6.352 | 2.6 | 86.4 |
| 70.0 | 4.818 | 32.917 | 26.044 | 0.1768 | 6.389 | 2.6 | 85.8 |
| 80.0 | 4.695 | 32.947 | 26.081 | 0.1959 | 6.261 | 2.5 | 85.2 |
| 90.0 | 4.600 | 32.979 | 26.117 | 0.2145 | 6.335 | 2.3 | 85.1 |
| 100.0 | 4.470 | 33.057 | 26.193 | 0.2326 | 6.176 | 2.0 | 84.7 |
| 110.0 | 4.459 | 33.070 | 26.204 | 0.2502 | 6.159 | 2.1 | 83.8 |
| 113.0 | 4.458 | 33.071 | 26.205 | 0.2555 | 6.147 | 2.0 | 83.1 |



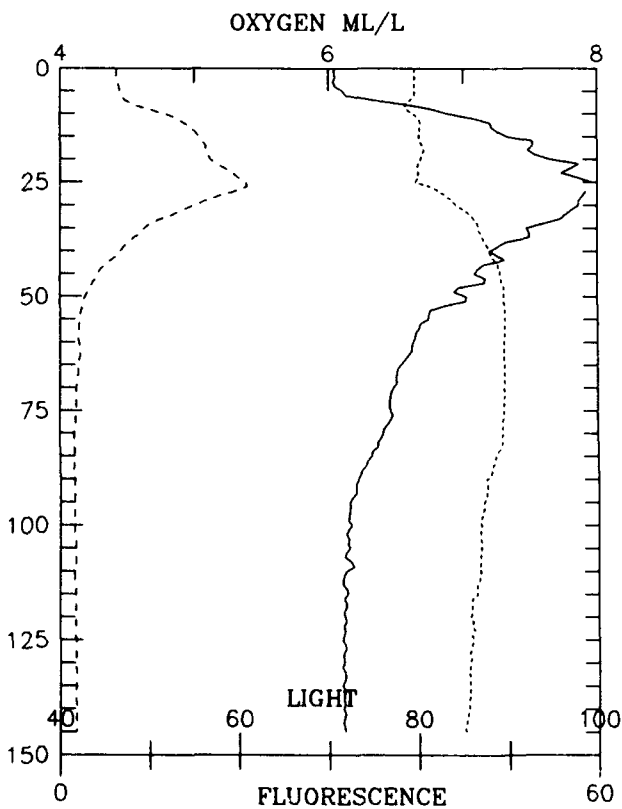
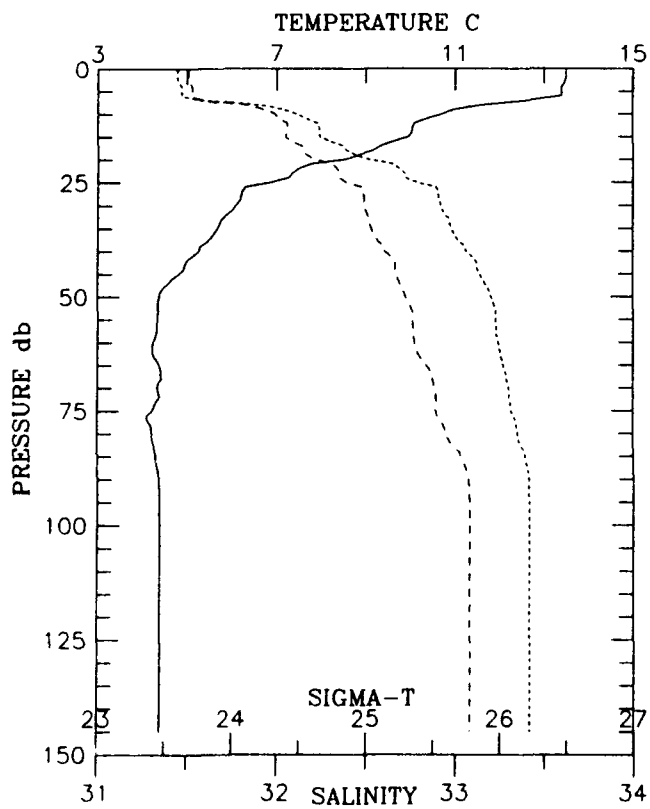
Cruise EN196 Consecutive Station # 158 Depth m:142 Time: 1989-06-08 15:51
 Position: 41° 20.50'N 68° 54.40'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.188 | 31.795 | 23.875 | 0.0000 | 5.964 | 7.8 | 81.4 |
| 10.0 | | 13.117 | 31.806 | 23.897 | 0.0399 | 5.973 | 8.8 | 81.5 |
| 20.0 | | 8.108 | 32.486 | 25.285 | 0.0739 | 7.018 | 16.0 | 82.2 |
| 30.0 | | 5.462 | 32.644 | 25.756 | 0.0977 | 7.252 | 8.6 | 87.5 |
| 40.0 | | 5.087 | 32.810 | 25.930 | 0.1186 | 6.928 | 3.4 | 89.6 |
| 50.0 | | 4.713 | 32.897 | 26.040 | 0.1382 | 6.600 | 2.4 | 89.7 |
| 60.0 | | 4.634 | 32.935 | 26.078 | 0.1572 | 6.608 | 2.0 | 89.6 |
| 70.0 | | 4.460 | 33.053 | 26.190 | 0.1757 | 6.535 | 1.8 | 88.3 |
| 80.0 | | 4.426 | 33.089 | 26.222 | 0.1933 | 6.316 | 1.7 | 86.1 |
| 90.0 | | 4.426 | 33.090 | 26.223 | 0.2107 | 6.291 | 1.7 | 85.6 |
| 100.0 | | 4.425 | 33.092 | 26.225 | 0.2282 | 6.177 | 1.8 | 85.4 |
| 110.0 | | 4.423 | 33.092 | 26.225 | 0.2457 | 6.222 | 1.8 | 85.0 |
| 120.0 | | 4.423 | 33.092 | 26.225 | 0.2631 | 6.195 | 1.9 | 84.9 |
| 130.0 | | 4.423 | 33.092 | 26.225 | 0.2806 | 6.104 | 1.9 | 84.8 |
| 137.0 | | 4.421 | 33.093 | 26.226 | 0.2929 | 6.145 | 1.9 | 84.0 |



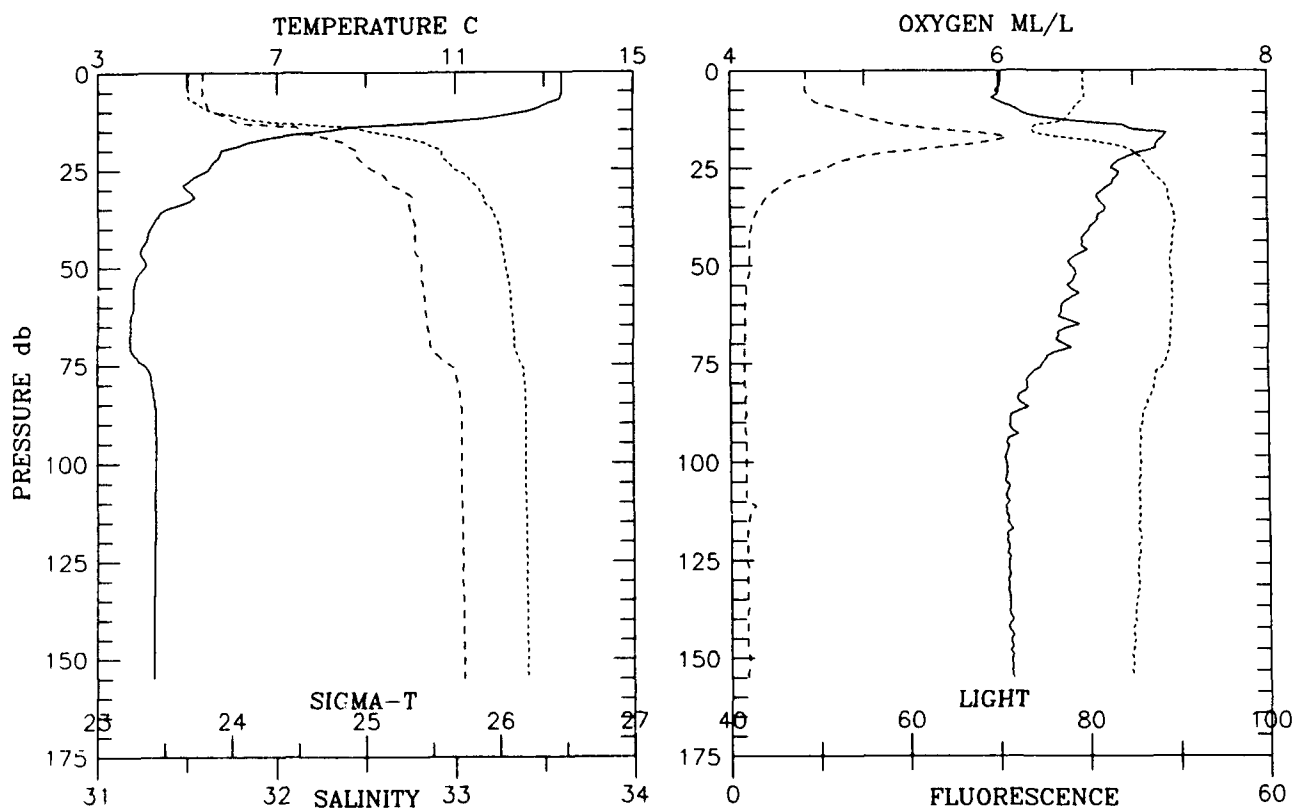
Cruise EN196 Consecutive Station # 159 Depth m:143 Time: 1989-06-08 17:07
 Position: 41° 23.19'N 68° 59.95'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.499 | 31.507 | 23.591 | 0.0000 | 6.047 | 6.3 |
| 10.0 | | 10.711 | 31.990 | 24.483 | 0.0405 | 6.888 | 11.8 |
| 20.0 | | 8.548 | 32.214 | 25.007 | 0.0723 | 7.646 | 16.8 |
| 30.0 | | 6.091 | 32.490 | 25.558 | 0.0977 | 7.857 | 14.9 |
| 40.0 | | 5.260 | 32.606 | 25.748 | 0.1206 | 7.198 | 6.7 |
| 50.0 | | 4.379 | 32.723 | 25.937 | 0.1416 | 7.023 | 2.8 |
| 60.0 | | 4.237 | 32.772 | 25.990 | 0.1614 | 6.628 | 2.1 |
| 70.0 | | 4.337 | 32.882 | 26.068 | 0.1807 | 6.483 | 1.8 |
| 80.0 | | 4.220 | 32.952 | 26.135 | 0.1994 | 6.402 | 1.6 |
| 90.0 | | 4.374 | 33.075 | 26.217 | 0.2172 | 6.212 | 1.6 |
| 100.0 | | 4.390 | 33.082 | 26.221 | 0.2347 | 6.165 | 1.6 |
| 110.0 | | 4.391 | 33.082 | 26.221 | 0.2522 | 6.126 | 1.6 |
| 120.0 | | 4.396 | 33.083 | 26.221 | 0.2697 | 6.116 | 1.7 |
| 130.0 | | 4.396 | 33.083 | 26.221 | 0.2872 | 6.107 | 1.7 |
| 140.0 | | 4.396 | 33.083 | 26.221 | 0.3047 | 6.104 | 1.8 |
| 145.0 | | 4.396 | 33.082 | 26.220 | 0.3135 | 6.119 | 1.8 |



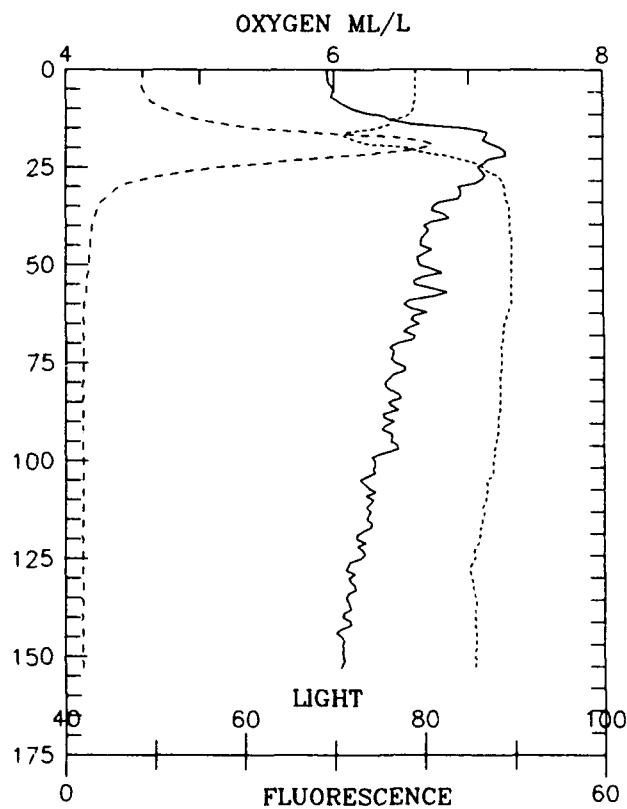
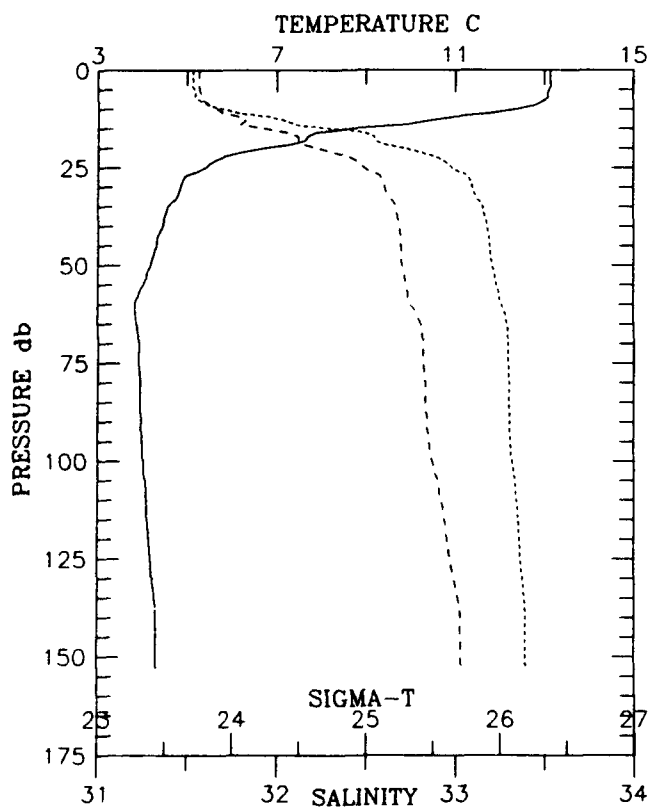
Cruise EN196 Consecutive Station # 160 Depth m:162 Time: 1989-06-08 18:48
 Position: 41° 22.25'N 69° 4.90'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.390 | 31.586 | 23.673 | 0.0000 | 6.016 | 8.5 |
| 10.0 | | 12.642 | 31.635 | 23.857 | 0.0416 | 6.140 | 12.5 |
| 20.0 | | 5.765 | 32.451 | 25.567 | 0.0721 | 7.169 | 22.1 |
| 30.0 | | 5.001 | 32.697 | 25.849 | 0.0946 | 6.795 | 5.4 |
| 40.0 | | 4.170 | 32.771 | 25.997 | 0.1148 | 6.675 | 2.3 |
| 50.0 | | 4.036 | 32.810 | 26.041 | 0.1342 | 6.530 | 2.1 |
| 60.0 | | 3.791 | 32.831 | 26.082 | 0.1531 | 6.460 | 1.6 |
| 70.0 | | 3.732 | 32.861 | 26.111 | 0.1717 | 6.483 | 1.7 |
| 80.0 | | 4.205 | 33.014 | 26.186 | 0.1897 | 6.208 | 1.6 |
| 90.0 | | 4.301 | 33.035 | 26.193 | 0.2075 | 6.077 | 1.6 |
| 100.0 | | 4.305 | 33.036 | 26.193 | 0.2253 | 6.051 | 1.7 |
| 110.0 | | 4.295 | 33.037 | 26.195 | 0.2430 | 6.074 | 2.0 |
| 120.0 | | 4.285 | 33.040 | 26.198 | 0.2608 | 6.051 | 1.8 |
| 130.0 | | 4.281 | 33.038 | 26.197 | 0.2785 | 6.056 | 1.8 |
| 140.0 | | 4.273 | 33.044 | 26.203 | 0.2962 | 6.091 | 1.8 |
| 150.0 | | 4.267 | 33.048 | 26.206 | 0.3139 | 6.082 | 2.0 |
| 155.0 | | 4.267 | 33.049 | 26.207 | 0.3227 | 6.096 | 1.9 |



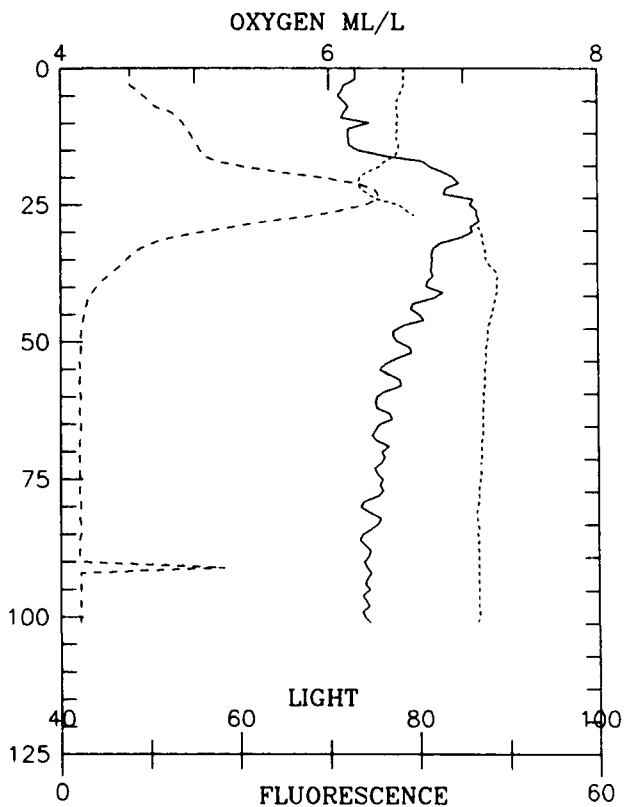
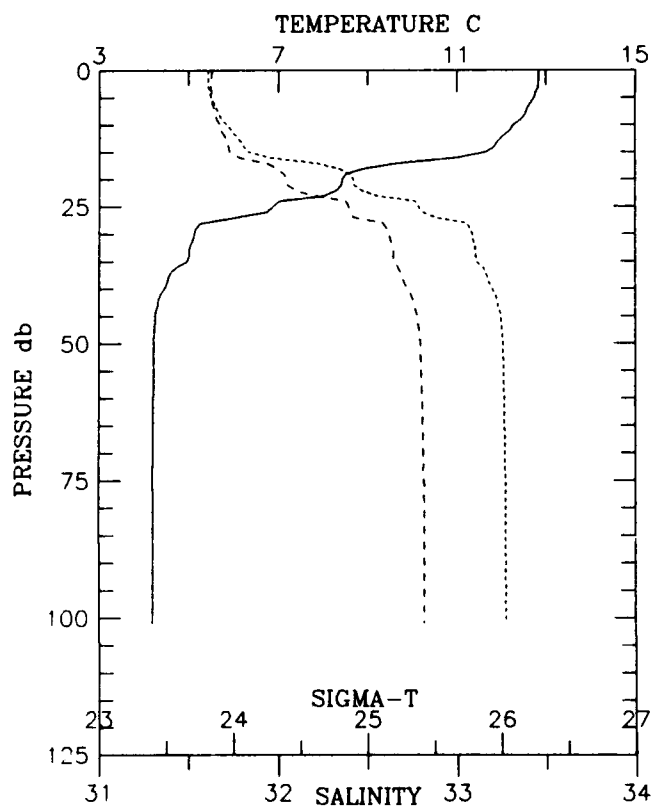
Cruise EN196 Consecutive Station # 161 Depth m:160 Time: 1989-06-08 19:49
 Position: 41° 20.90'N 69° 8.05'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.135 | 31.566 | 23.708 | 0.0000 | 5.954 | 8.6 | 79.1 |
| 10.0 | 12.370 | 31.667 | 23.933 | 0.0412 | 6.128 | 10.9 | 78.8 |
| 20.0 | 6.678 | 32.232 | 25.282 | 0.0733 | 7.237 | 39.8 | 78.1 |
| 30.0 | 4.852 | 32.603 | 25.791 | 0.0964 | 6.921 | 5.9 | 89.0 |
| 40.0 | 4.438 | 32.683 | 25.899 | 0.1173 | 6.665 | 2.9 | 89.5 |
| 50.0 | 4.183 | 32.701 | 25.940 | 0.1376 | 6.630 | 2.5 | 89.7 |
| 60.0 | 3.837 | 32.745 | 26.009 | 0.1574 | 6.522 | 2.1 | 89.7 |
| 70.0 | 3.926 | 32.817 | 26.058 | 0.1765 | 6.462 | 1.9 | 88.6 |
| 80.0 | 3.946 | 32.829 | 26.065 | 0.1955 | 6.376 | 1.9 | 88.4 |
| 90.0 | 3.973 | 32.842 | 26.072 | 0.2144 | 6.442 | 1.9 | 88.2 |
| 100.0 | 4.015 | 32.867 | 26.088 | 0.2332 | 6.297 | 1.9 | 87.6 |
| 110.0 | 4.086 | 32.918 | 26.122 | 0.2518 | 6.280 | 1.9 | 86.8 |
| 120.0 | 4.147 | 32.953 | 26.143 | 0.2701 | 6.160 | 1.9 | 86.1 |
| 130.0 | 4.223 | 32.989 | 26.164 | 0.2882 | 6.102 | 1.9 | 85.2 |
| 140.0 | 4.301 | 33.026 | 26.186 | 0.3062 | 6.059 | 1.9 | 85.6 |
| 150.0 | 4.312 | 33.031 | 26.189 | 0.3240 | 6.065 | 1.9 | 85.6 |
| 153.0 | 4.312 | 33.031 | 26.188 | 0.3294 | 6.044 | 1.9 | 85.6 |



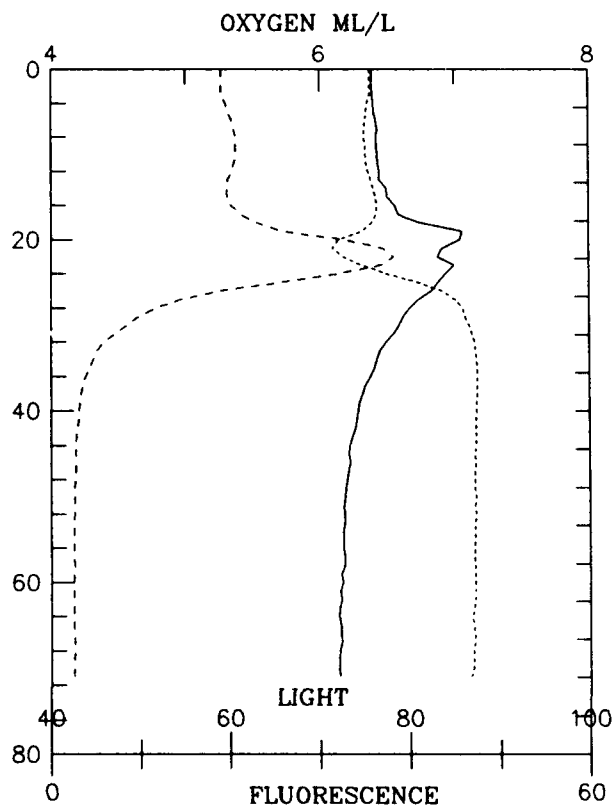
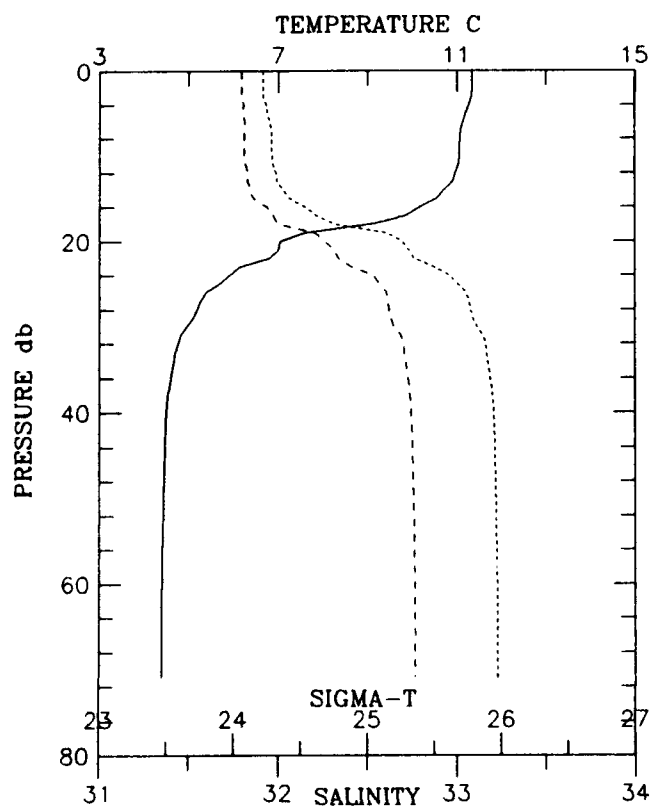
Cruise EN196 Consecutive Station # 162 Depth m:76 Time: 1989-06-08 20:55
 Position: 41° 16.90'N 69° 18.60'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.843 | 31.628 | 23.813 | 0.0000 | 6.197 | 7.8 | 78.4 |
| 5.0 | 12.737 | 31.627 | 23.832 | 0.0202 | 6.070 | 9.3 | 77.9 |
| 10.0 | 12.271 | 31.675 | 23.958 | 0.0401 | 6.304 | 13.7 | 77.6 |
| 15.0 | 11.668 | 31.729 | 24.111 | 0.0593 | 6.217 | 15.6 | 77.8 |
| 20.0 | 8.435 | 32.049 | 24.894 | 0.0758 | 6.925 | 29.1 | 73.4 |
| 25.0 | 6.884 | 32.393 | 25.381 | 0.0899 | 7.049 | 34.2 | 77.8 |
| 30.0 | 5.129 | 32.624 | 25.778 | 0.1016 | 7.071 | 15.4 | 87.0 |
| 35.0 | 4.962 | 32.642 | 25.810 | 0.1124 | 6.767 | 7.3 | 87.5 |
| 40.0 | 4.459 | 32.721 | 25.927 | 0.1227 | 6.723 | 4.0 | 88.7 |
| 45.0 | 4.258 | 32.775 | 25.991 | 0.1326 | 6.667 | 2.6 | 88.1 |
| 50.0 | 4.227 | 32.792 | 26.007 | 0.1424 | 6.507 | 2.2 | 87.6 |
| 55.0 | 4.220 | 32.797 | 26.012 | 0.1521 | 6.375 | 2.2 | 87.3 |
| 60.0 | 4.214 | 32.803 | 26.017 | 0.1618 | 6.350 | 2.2 | 87.2 |
| 65.0 | 4.207 | 32.806 | 26.020 | 0.1715 | 6.371 | 2.2 | 87.1 |
| 70.0 | 4.202 | 32.810 | 26.024 | 0.1812 | 6.387 | 2.1 | 87.0 |
| 75.0 | 4.202 | 32.813 | 26.026 | 0.1908 | 6.392 | 2.2 | 86.8 |
| 80.0 | 4.200 | 32.815 | 26.028 | 0.2005 | 6.228 | 2.2 | 86.5 |
| 85.0 | 4.199 | 32.817 | 26.030 | 0.2101 | 6.243 | 2.2 | 86.5 |
| 90.0 | 4.200 | 32.818 | 26.031 | 0.2198 | 6.255 | 2.2 | 86.6 |
| 95.0 | 4.199 | 32.818 | 26.031 | 0.2294 | 6.297 | 2.2 | 86.6 |
| 100.0 | 4.198 | 32.818 | 26.031 | 0.2390 | 6.256 | 2.2 | 86.6 |
| 101.0 | 4.198 | 32.818 | 26.031 | 0.2410 | 6.302 | 2.2 | 86.5 |



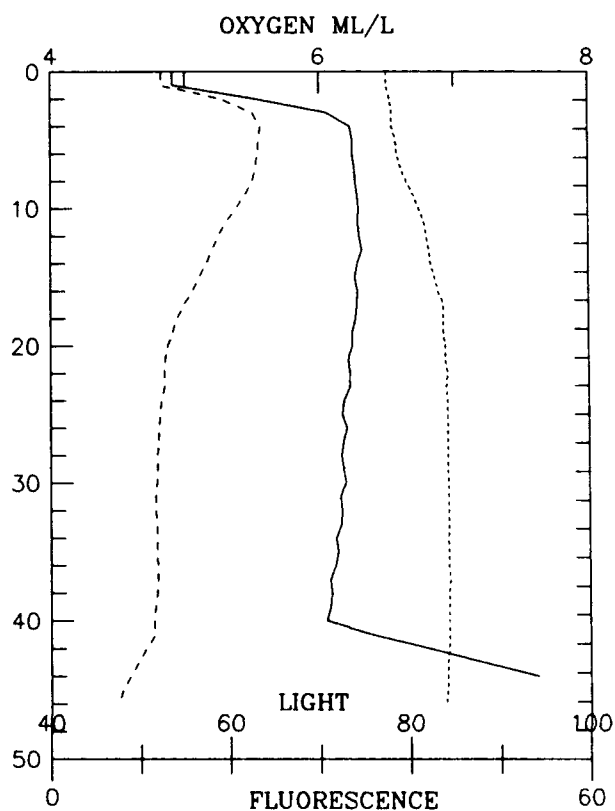
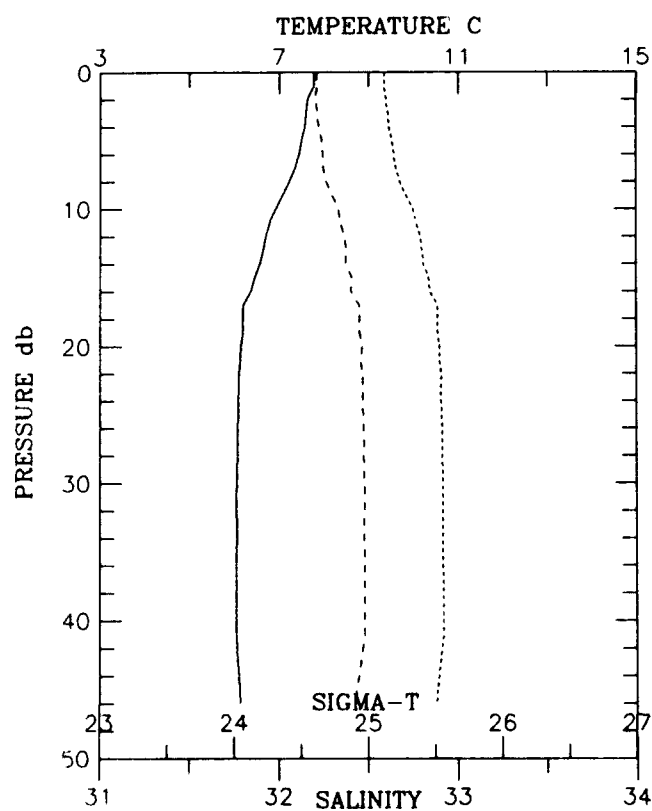
Cruise EN196 Consecutive Station # 163 Depth m:79 Time: 1989-06-08 22:06
 Position: 41° 16.90'W 69° 18.60'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.345 | 31.795 | 24.220 | 0.0000 | 6.388 | 19.0 |
| 5.0 | | 11.199 | 31.800 | 24.250 | 0.0182 | 6.406 | 19.8 |
| 10.0 | | 11.050 | 31.809 | 24.284 | 0.0363 | 6.426 | 20.6 |
| 15.0 | | 10.541 | 31.860 | 24.411 | 0.0540 | 6.501 | 19.7 |
| 20.0 | | 7.026 | 32.257 | 25.255 | 0.0697 | 7.038 | 32.6 |
| 25.0 | | 5.672 | 32.566 | 25.670 | 0.0821 | 6.876 | 25.6 |
| 30.0 | | 4.958 | 32.647 | 25.814 | 0.0930 | 6.586 | 8.5 |
| 35.0 | | 4.632 | 32.719 | 25.907 | 0.1034 | 6.402 | 4.3 |
| 40.0 | | 4.505 | 32.743 | 25.940 | 0.1135 | 6.281 | 3.1 |
| 45.0 | | 4.465 | 32.752 | 25.951 | 0.1235 | 6.216 | 2.7 |
| 50.0 | | 4.438 | 32.759 | 25.959 | 0.1335 | 6.187 | 2.6 |
| 55.0 | | 4.425 | 32.762 | 25.963 | 0.1435 | 6.168 | 2.5 |
| 60.0 | | 4.409 | 32.764 | 25.967 | 0.1534 | 6.167 | 2.5 |
| 65.0 | | 4.402 | 32.766 | 25.969 | 0.1633 | 6.153 | 2.5 |
| 70.0 | | 4.402 | 32.766 | 25.969 | 0.1733 | 6.135 | 2.5 |
| 71.0 | | 4.402 | 32.766 | 25.969 | 0.1753 | 6.142 | 2.5 |



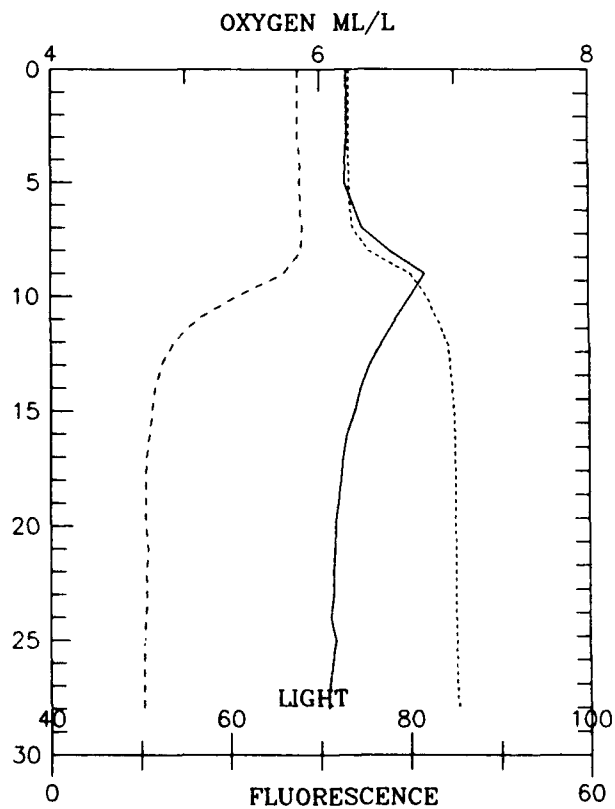
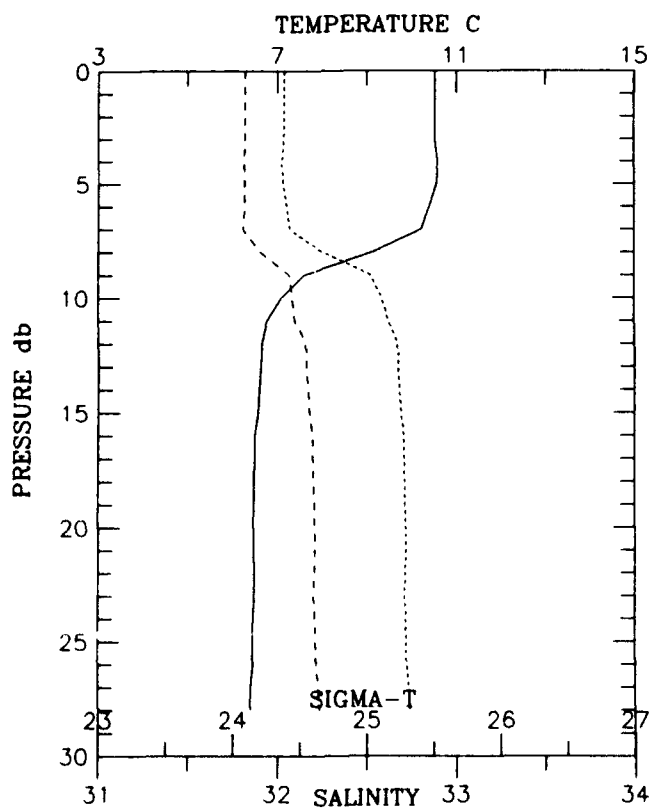
Cruise EN196 Consecutive Station # 164 Depth m:46 Time: 1989-06-08 23:23
 Position: 41° 14.82'N 69° 25.25'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 7.769 | 32.208 | 25.115 | 0.0000 | 4.911 | 12.4 | 77.5 |
| 5.0 | 7.504 | 32.236 | 25.174 | 0.0139 | 6.248 | 23.3 | 78.5 |
| 10.0 | 6.911 | 32.331 | 25.329 | 0.0273 | 6.293 | 20.7 | 81.1 |
| 15.0 | 6.449 | 32.405 | 25.447 | 0.0400 | 6.264 | 16.6 | 82.8 |
| 20.0 | 6.151 | 32.462 | 25.529 | 0.0522 | 6.244 | 13.1 | 84.0 |
| 25.0 | 6.083 | 32.470 | 25.544 | 0.0642 | 6.165 | 12.2 | 84.2 |
| 30.0 | 6.058 | 32.475 | 25.551 | 0.0761 | 6.191 | 11.8 | 84.3 |
| 35.0 | 6.048 | 32.477 | 25.554 | 0.0880 | 6.133 | 11.8 | 84.3 |
| 40.0 | 6.037 | 32.479 | 25.557 | 0.0999 | 6.043 | 11.5 | 84.3 |
| 45.0 | * 6.117 | 32.432 | 25.510 | 0.1119 | 8.039 | 7.9 | 84.0 |
| 46.0 | 6.127 | 32.426 | 25.504 | 0.1143 | 8.259 | 7.5 | 83.9 |



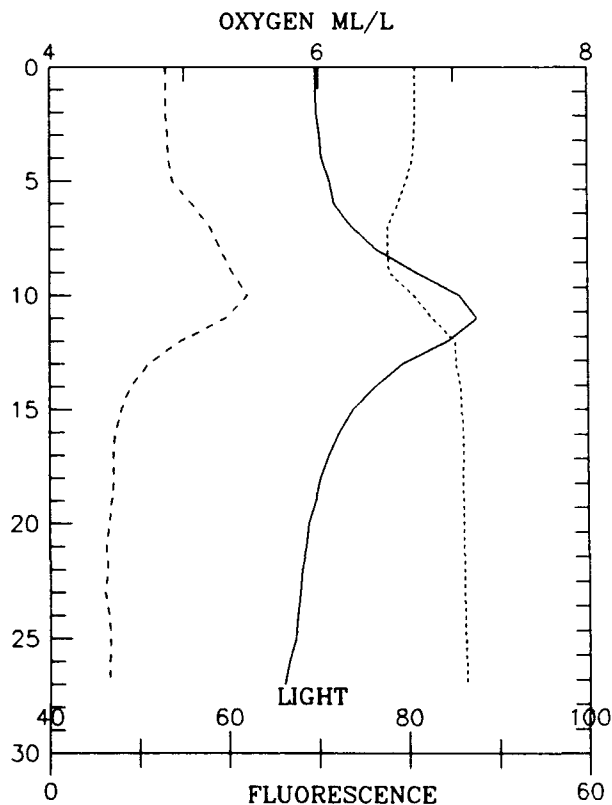
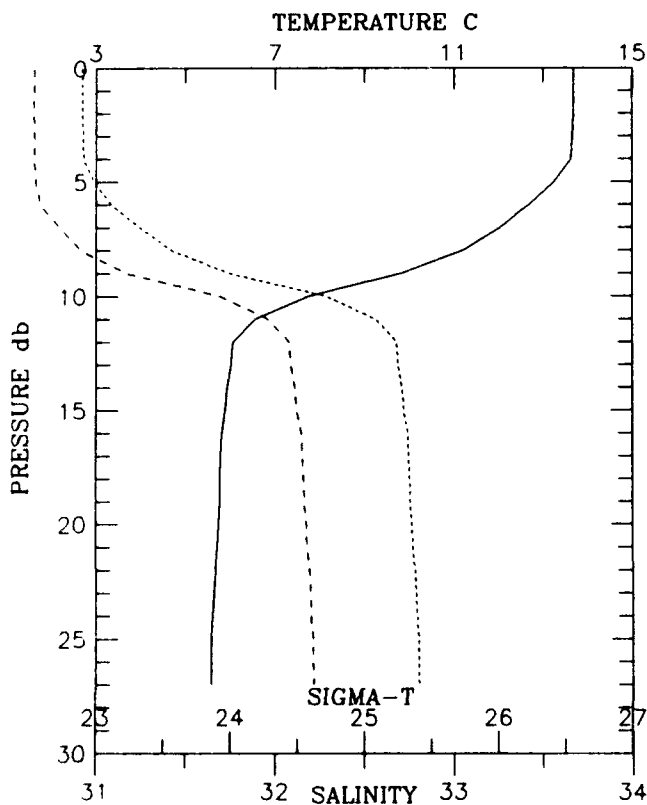
Cruise EN196 Consecutive Station # 165 Depth m:34 Time: 1989-06-09 01:25
 Position: 41° 24.10'N 69° 31.30'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.528 | 31.820 | 24.382 | 0.0000 | 6.202 | 27.6 |
| 2.0 | E | 10.528 | 31.820 | 24.382 | 0.0070 | 6.204 | 27.6 |
| 4.0 | | 10.585 | 31.817 | 24.370 | 0.0140 | 6.191 | 27.9 |
| 6.0 | | 10.399 | 31.818 | 24.402 | 0.0210 | 6.253 | 27.9 |
| 8.0 | | 9.141 | 31.905 | 24.674 | 0.0278 | 6.521 | 28.0 |
| 10.0 | | 7.088 | 32.084 | 25.111 | 0.0337 | 6.675 | 20.8 |
| 12.0 | | 6.649 | 32.159 | 25.228 | 0.0392 | 6.459 | 13.7 |
| 14.0 | | 6.601 | 32.170 | 25.242 | 0.0446 | 6.299 | 11.6 |
| 16.0 | | 6.501 | 32.197 | 25.276 | 0.0499 | 6.200 | 11.0 |
| 18.0 | | 6.481 | 32.203 | 25.283 | 0.0552 | 6.157 | 10.6 |
| 20.0 | | 6.470 | 32.208 | 25.289 | 0.0605 | 6.115 | 10.6 |
| 22.0 | | 6.479 | 32.206 | 25.286 | 0.0657 | 6.098 | 10.6 |
| 24.0 | | 6.467 | 32.210 | 25.291 | 0.0710 | 6.077 | 10.6 |
| 26.0 | | 6.451 | 32.216 | 25.297 | 0.0763 | 6.087 | 10.4 |
| 28.0 | | 6.398 | 32.233 | 25.318 | 0.0815 | 6.061 | 10.3 |



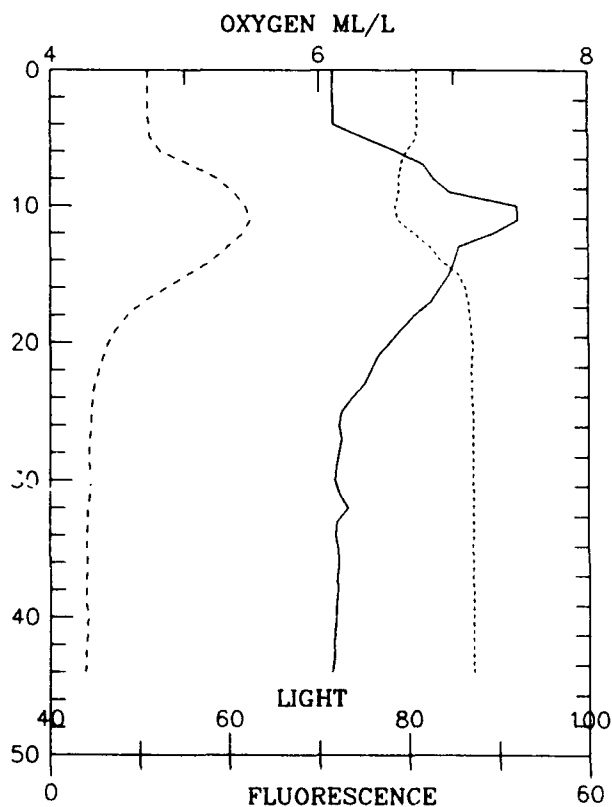
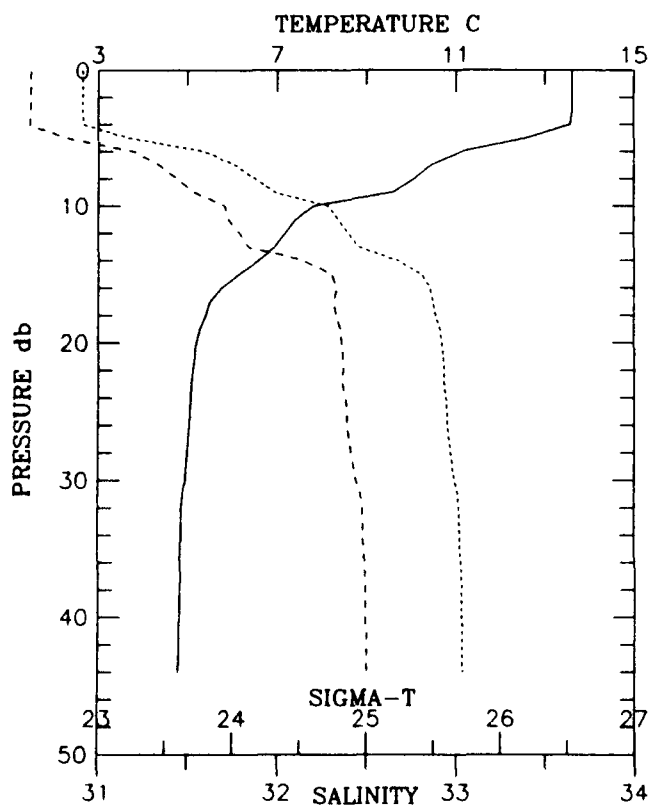
Cruise EN196 Consecutive Station # 166 Depth m:32 Time: 1989-06-09 02:58
 Position: 41° 30.80'N 69° 39.50'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.676 | 30.654 | 22.897 | 0.0000 | 5.984 | 13.0 | 80.8 |
| 2.0 | 13.676 | 30.653 | 22.896 | 0.0098 | 5.985 | 13.0 | 80.8 |
| 4.0 | 13.622 | 30.653 | 22.907 | 0.0197 | 6.028 | 13.3 | 80.5 |
| 6.0 | 12.702 | 30.691 | 23.115 | 0.0293 | 6.116 | 15.9 | 78.9 |
| 8.0 | 11.212 | 30.919 | 23.563 | 0.0383 | 6.427 | 19.1 | 77.7 |
| 10.0 | 7.752 | 31.692 | 24.712 | 0.0459 | 7.043 | 22.1 | 80.6 |
| 12.0 | 6.059 | 32.079 | 25.238 | 0.0517 | 6.959 | 14.6 | 85.2 |
| 14.0 | 5.932 | 32.110 | 25.278 | 0.0570 | 6.420 | 9.0 | 85.8 |
| 16.0 | 5.804 | 32.147 | 25.322 | 0.0623 | 6.151 | 7.3 | 86.1 |
| 18.0 | 5.769 | 32.159 | 25.336 | 0.0675 | 6.008 | 7.1 | 86.0 |
| 20.0 | 5.730 | 32.174 | 25.352 | 0.0726 | 5.923 | 6.6 | 86.1 |
| 22.0 | 5.662 | 32.191 | 25.374 | 0.0777 | 5.869 | 6.4 | 86.1 |
| 24.0 | 5.603 | 32.202 | 25.390 | 0.0828 | 5.834 | 6.5 | 86.2 |
| 26.0 | 5.578 | 32.213 | 25.401 | 0.0879 | 5.773 | 6.6 | 86.3 |
| 27.0 | 5.573 | 32.216 | 25.404 | 0.0904 | 5.740 | 6.6 | 86.3 |



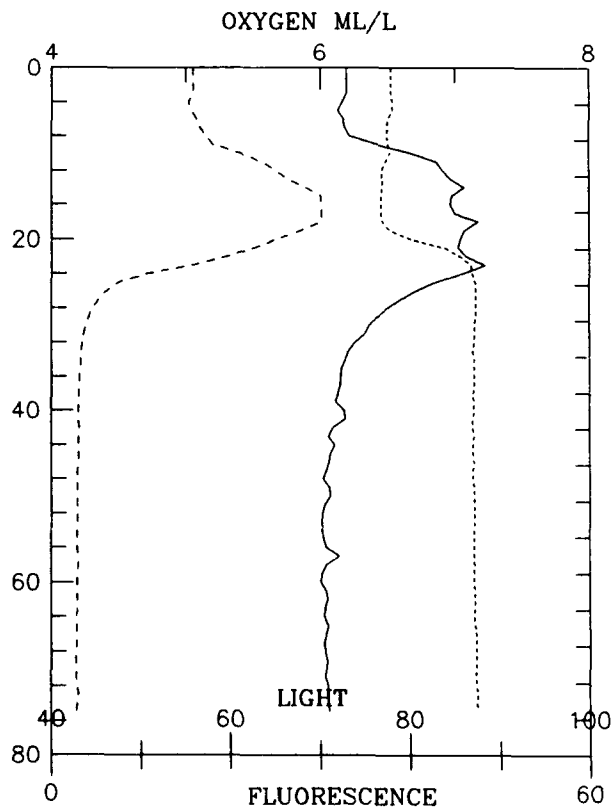
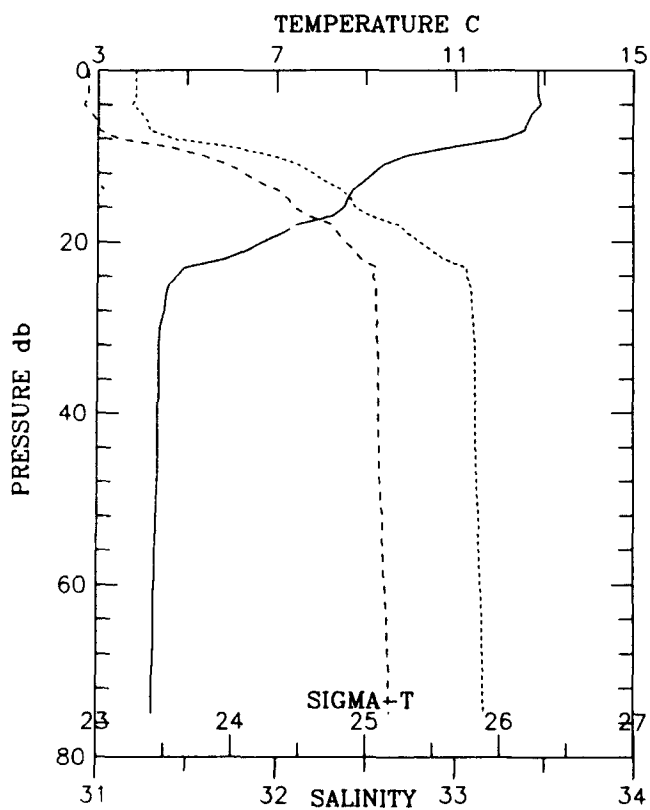
Cruise EN196 Consecutive Station # 167 Depth m:48 Time: 1989-06-09 04:21
 Position: 41° 32.17'N 69° 33.59'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.608 | 30.622 | 22.885 | 0.0000 | 6.104 | 10.9 | 80.9 |
| 5.0 | | 12.604 | 30.825 | 23.237 | 0.0245 | 6.337 | 11.2 | 80.8 |
| 10.0 | | 7.816 | 31.707 | 24.715 | 0.0436 | 7.469 | 21.8 | 78.5 |
| 15.0 | | 6.140 | 32.306 | 25.408 | 0.0582 | 6.966 | 15.5 | 85.5 |
| 20.0 | | 5.204 | 32.361 | 25.561 | 0.0703 | 6.523 | 6.5 | 87.1 |
| 25.0 | | 5.061 | 32.390 | 25.600 | 0.0821 | 6.167 | 4.6 | 87.1 |
| 30.0 | | 4.944 | 32.440 | 25.653 | 0.0937 | 6.118 | 4.5 | 87.1 |
| 35.0 | | 4.845 | 32.486 | 25.700 | 0.1049 | 6.141 | 4.1 | 87.1 |
| 40.0 | | 4.827 | 32.492 | 25.706 | 0.1161 | 6.120 | 4.2 | 87.1 |
| 44.0 | | 4.799 | 32.500 | 25.716 | 0.1250 | 6.093 | 3.9 | 87.2 |



Cruise EN196 Consecutive Station # 168 Depth m:78 Time: 1989-06-09 05:37
 Position: 41° 34.55'N 69° 26.06'W Depth Deck Offset: -0.15 Fish 1

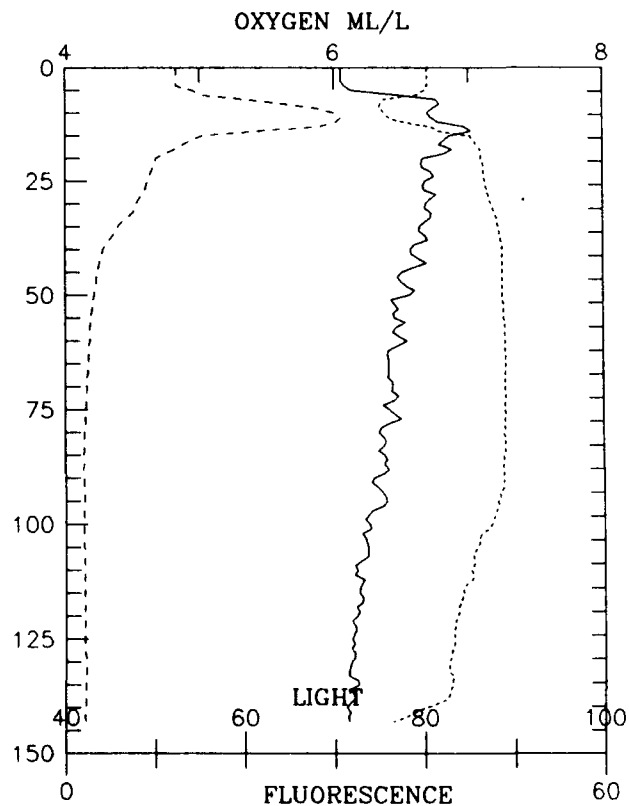
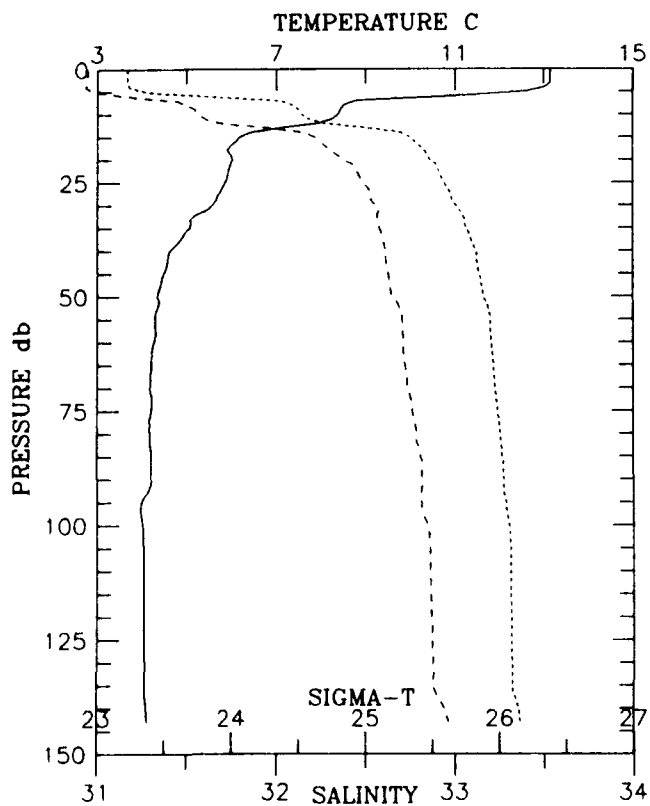
| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.848 | 30.946 | 23.284 | 0.0000 | 6.193 | 15.8 | 77.9 |
| 5.0 | | 12.722 | 30.963 | 23.321 | 0.0228 | 6.132 | 15.6 | 78.0 |
| 10.0 | | 9.906 | 31.588 | 24.305 | 0.0439 | 6.667 | 21.0 | 77.8 |
| 15.0 | | 8.585 | 32.064 | 24.883 | 0.0602 | 6.977 | 30.1 | 76.8 |
| 20.0 | | 6.669 | 32.381 | 25.400 | 0.0741 | 7.037 | 25.0 | 80.1 |
| 25.0 | | 4.591 | 32.555 | 25.781 | 0.0856 | 6.846 | 7.5 | 87.3 |
| 30.0 | | 4.405 | 32.561 | 25.805 | 0.0964 | 6.367 | 3.8 | 87.2 |
| 35.0 | | 4.372 | 32.569 | 25.815 | 0.1070 | 6.158 | 3.2 | 87.1 |
| 40.0 | | 4.360 | 32.572 | 25.819 | 0.1176 | 6.182 | 3.0 | 87.1 |
| 45.0 | | 4.352 | 32.575 | 25.822 | 0.1283 | 6.075 | 3.0 | 87.0 |
| 50.0 | | 4.331 | 32.584 | 25.832 | 0.1388 | 6.074 | 2.9 | 87.1 |
| 55.0 | | 4.307 | 32.595 | 25.843 | 0.1494 | 6.025 | 2.9 | 87.1 |
| 60.0 | | 4.283 | 32.607 | 25.855 | 0.1599 | 6.004 | 2.9 | 87.1 |
| 65.0 | | 4.262 | 32.619 | 25.867 | 0.1703 | 6.058 | 2.8 | 87.2 |
| 70.0 | | 4.245 | 32.629 | 25.876 | 0.1807 | 6.045 | 2.8 | 87.3 |
| 75.0 | | 4.236 | 32.635 | 25.882 | 0.1910 | 6.068 | 2.8 | 87.5 |



Cruise EN196 Consecutive Station # 169 Depth m:148 Time: 1989-06-09 06:35

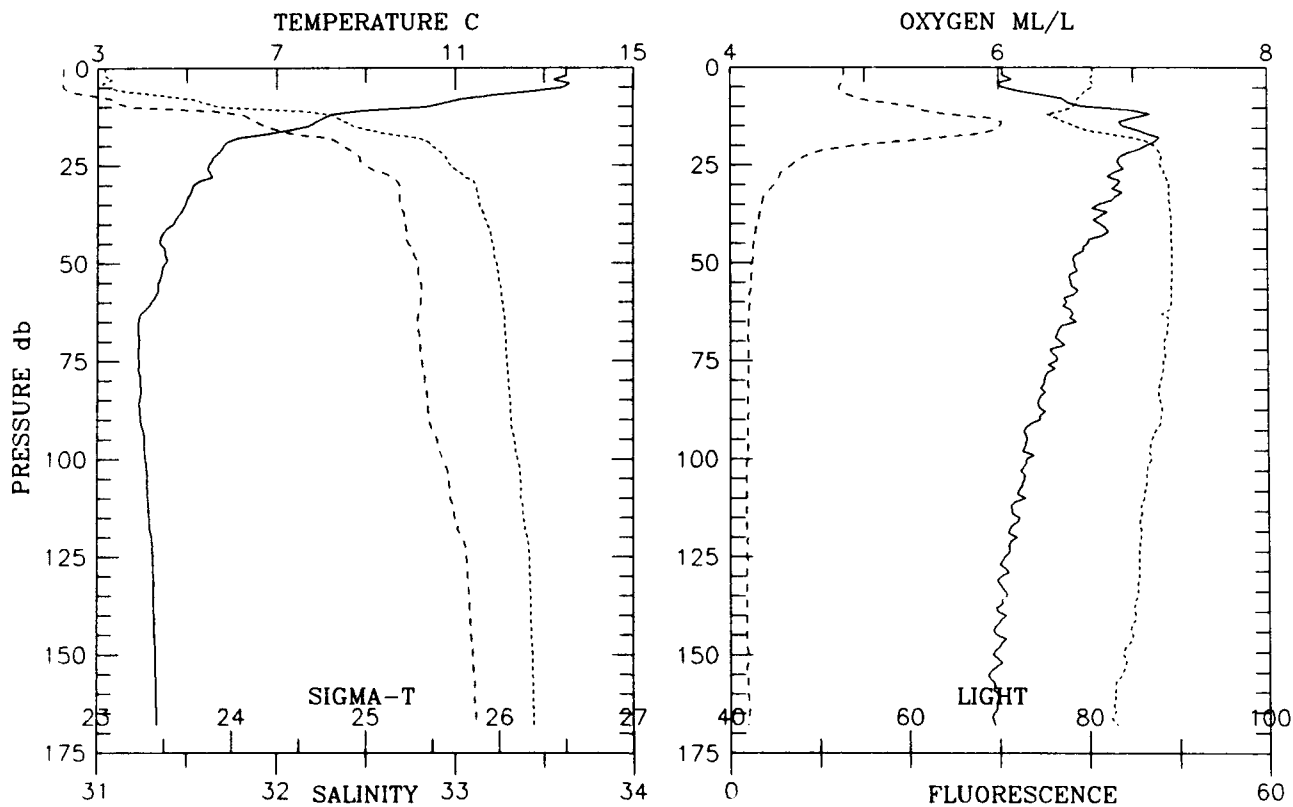
Position: 41° 35.49'N 69° 17.96'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.147 | 30.945 | 23.226 | 0.0000 | 6.054 | 12.4 | 80.4 |
| 10.0 | | 8.382 | 31.566 | 24.523 | 0.0412 | 6.695 | 30.1 | 75.7 |
| 20.0 | | 6.017 | 32.375 | 25.477 | 0.0689 | 6.662 | 10.2 | 86.4 |
| 30.0 | | 5.570 | 32.554 | 25.672 | 0.0923 | 6.680 | 7.9 | 87.6 |
| 40.0 | | 4.622 | 32.614 | 25.825 | 0.1142 | 6.570 | 4.2 | 88.7 |
| 50.0 | | 4.346 | 32.643 | 25.877 | 0.1352 | 6.558 | 3.2 | 88.7 |
| 60.0 | | 4.266 | 32.708 | 25.937 | 0.1554 | 6.540 | 2.7 | 89.0 |
| 70.0 | | 4.189 | 32.735 | 25.966 | 0.1754 | 6.435 | 2.4 | 89.0 |
| 80.0 | | 4.178 | 32.783 | 26.005 | 0.1951 | 6.330 | 2.1 | 88.9 |
| 90.0 | | 4.211 | 32.817 | 26.029 | 0.2144 | 6.286 | 2.0 | 88.8 |
| 100.0 | | 4.020 | 32.844 | 26.070 | 0.2336 | 6.257 | 2.0 | 87.4 |
| 110.0 | | 4.047 | 32.860 | 26.080 | 0.2524 | 6.167 | 2.1 | 85.1 |
| 120.0 | | 4.056 | 32.868 | 26.085 | 0.2712 | 6.160 | 2.1 | 83.6 |
| 130.0 | | 4.059 | 32.874 | 26.090 | 0.2899 | 6.118 | 2.2 | 82.6 |
| 140.0 | | 4.100 | 32.940 | 26.138 | 0.3085 | 6.085 | 2.2 | 80.1 |
| 143.0 | | 4.121 | 32.964 | 26.154 | 0.3140 | 6.102 | 2.2 | 76.4 |



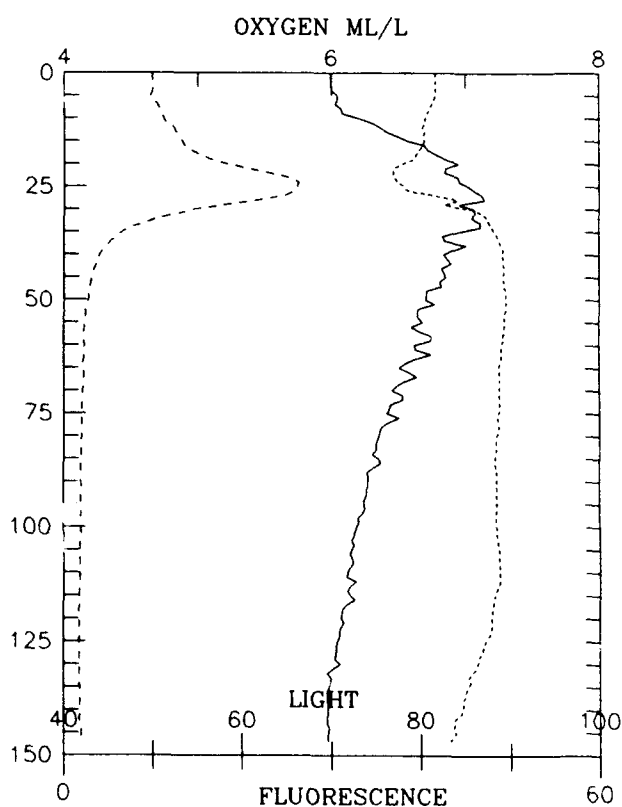
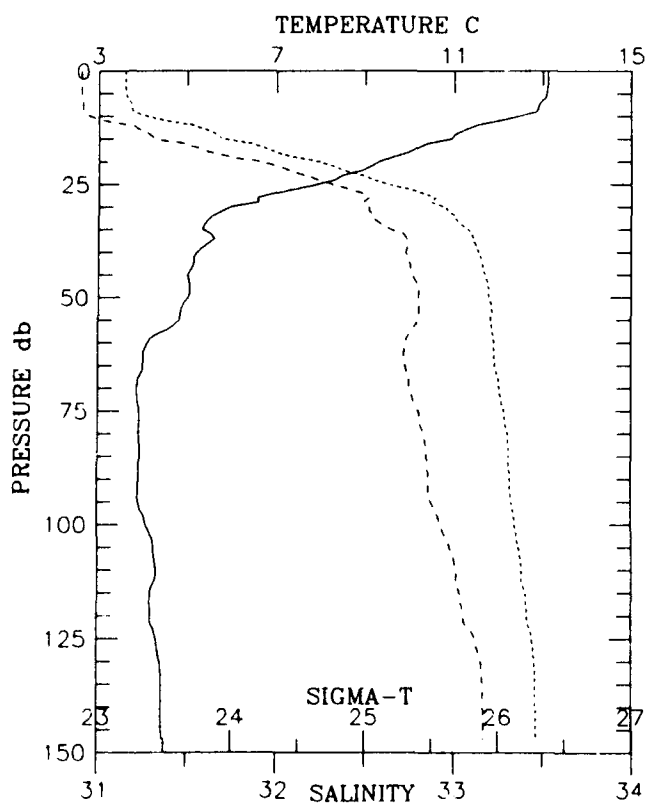
Cruise EN196 Consecutive Station # 170 Depth m:148 Time: 1989-06-09 07:42
 Position: 41° 35.49'N 69° 56.00'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.494 | 30.809 | 23.052 | 0.0000 | 6.028 | 12.7 | 80.5 |
| 10.0 | 10.355 | 31.182 | 23.915 | 0.0454 | 6.622 | 20.5 | 78.3 |
| 20.0 | 5.816 | 32.368 | 25.495 | 0.0749 | 7.099 | 13.9 | 87.4 |
| 30.0 | 5.138 | 32.689 | 25.828 | 0.0977 | 6.883 | 4.9 | 89.0 |
| 40.0 | 4.683 | 32.723 | 25.905 | 0.1186 | 6.752 | 2.9 | 89.2 |
| 50.0 | 4.520 | 32.796 | 25.980 | 0.1386 | 6.562 | 2.4 | 89.3 |
| 60.0 | 4.201 | 32.808 | 26.023 | 0.1581 | 6.506 | 2.2 | 89.2 |
| 70.0 | 3.935 | 32.805 | 26.047 | 0.1773 | 6.453 | 2.0 | 88.4 |
| 80.0 | 3.960 | 32.831 | 26.065 | 0.1963 | 6.334 | 1.9 | 88.0 |
| 90.0 | 3.964 | 32.855 | 26.083 | 0.2151 | 6.299 | 1.9 | 88.0 |
| 100.0 | 4.077 | 32.931 | 26.133 | 0.2336 | 6.199 | 1.9 | 86.9 |
| 110.0 | 4.131 | 32.973 | 26.161 | 0.2517 | 6.192 | 1.8 | 86.1 |
| 120.0 | 4.220 | 33.043 | 26.208 | 0.2696 | 6.127 | 1.9 | 85.7 |
| 130.0 | 4.260 | 33.072 | 26.226 | 0.2871 | 6.008 | 1.8 | 85.5 |
| 140.0 | 4.278 | 33.083 | 26.233 | 0.3045 | 6.043 | 1.8 | 85.1 |
| 150.0 | 4.307 | 33.100 | 26.244 | 0.3218 | 5.947 | 1.9 | 83.7 |
| 160.0 | 4.328 | 33.111 | 26.250 | 0.3391 | 5.981 | 1.9 | 82.7 |
| 168.0 | 4.341 | 33.119 | 26.255 | 0.3529 | 5.960 | 1.9 | 83.1 |



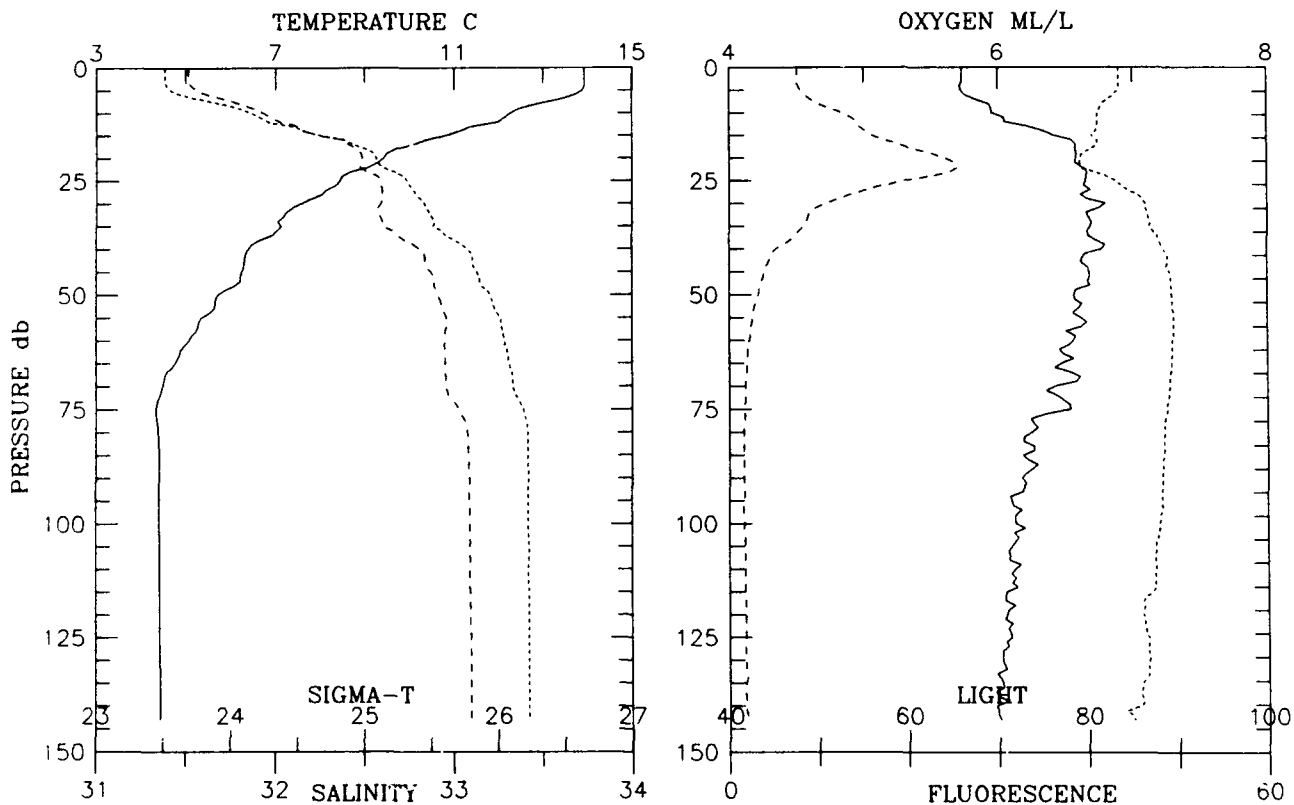
Cruise EN196 Consecutive Station # 171 Depth m:154 Time: 1989-06-09 08:49
 Position: 41° 38.70'N 69° 0.10'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.115 | 30.903 | 23.199 | 0.0000 | 5.996 | 9.9 | 81.7 |
| 10.0 | 12.473 | 30.950 | 23.359 | 0.0461 | 6.198 | 11.2 | 80.5 |
| 20.0 | 9.295 | 31.900 | 24.646 | 0.0848 | 6.949 | 18.3 | 77.9 |
| 30.0 | 5.961 | 32.517 | 25.596 | 0.1123 | 7.063 | 14.7 | 85.7 |
| 40.0 | 5.231 | 32.727 | 25.848 | 0.1342 | 6.840 | 4.0 | 89.1 |
| 50.0 | 5.031 | 32.797 | 25.926 | 0.1547 | 6.701 | 2.7 | 89.5 |
| 60.0 | 4.115 | 32.728 | 25.968 | 0.1747 | 6.624 | 2.3 | 89.0 |
| 70.0 | 3.877 | 32.749 | 26.008 | 0.1944 | 6.454 | 2.1 | 88.8 |
| 80.0 | 3.922 | 32.831 | 26.069 | 0.2136 | 6.355 | 2.0 | 88.5 |
| 90.0 | 3.927 | 32.859 | 26.091 | 0.2323 | 6.271 | 1.9 | 88.5 |
| 100.0 | 4.099 | 32.925 | 26.126 | 0.2509 | 6.189 | 1.9 | 88.4 |
| 110.0 | 4.309 | 33.010 | 26.172 | 0.2690 | 6.116 | 1.8 | 88.8 |
| 120.0 | 4.200 | 33.055 | 26.219 | 0.2867 | 6.074 | 1.7 | 87.9 |
| 130.0 | 4.412 | 33.153 | 26.275 | 0.3039 | 6.065 | 1.7 | 86.3 |
| 140.0 | 4.447 | 33.167 | 26.282 | 0.3209 | 5.973 | 1.8 | 84.7 |
| 147.0 | 4.454 | 33.169 | 26.283 | 0.3327 | 5.976 | 1.8 | 83.2 |



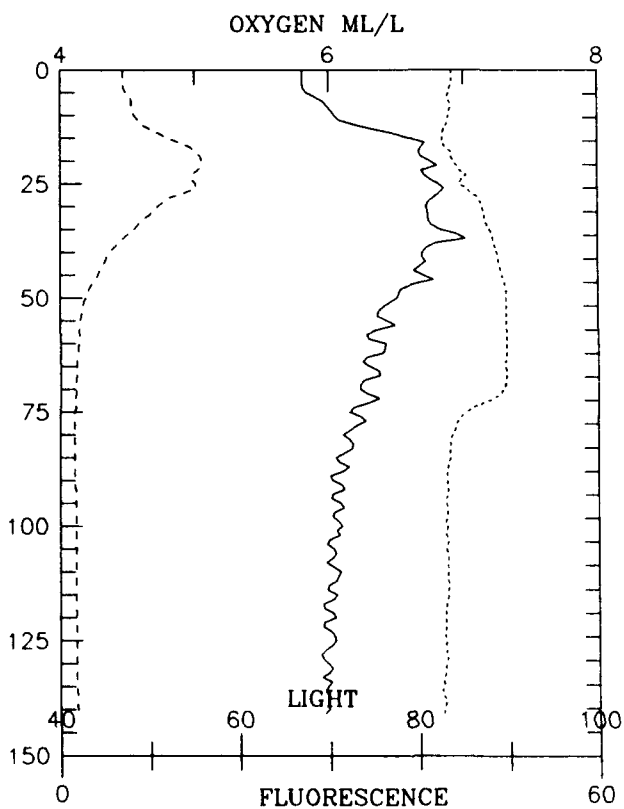
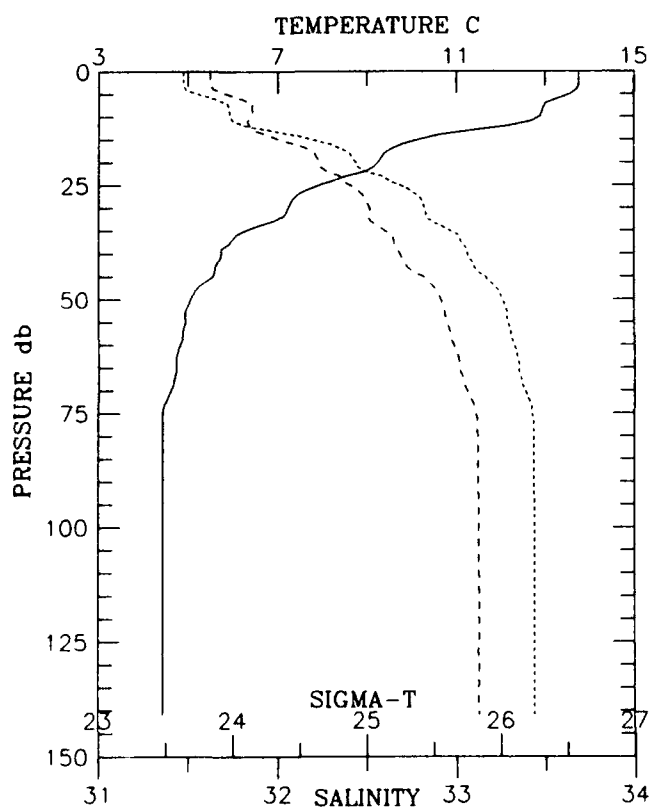
Cruise EN196 Consecutive Station # 172 Depth m:148 Time: 1989-06-09 09:52
 Position: 41° 36.10'N 68° 50.10'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.931 | 31.514 | 23.509 | 0.0000 | 5.735 | 7.6 | 83.5 |
| 10.0 | 12.270 | 31.936 | 24.161 | 0.0417 | 5.950 | 12.7 | 81.1 |
| 20.0 | 9.414 | 32.484 | 25.084 | 0.0739 | 6.581 | 24.2 | 79.2 |
| 30.0 | 7.565 | 32.592 | 25.445 | 0.1004 | 6.795 | 10.8 | 86.4 |
| 40.0 | 6.395 | 32.807 | 25.771 | 0.1241 | 6.778 | 5.2 | 88.4 |
| 50.0 | 5.707 | 32.910 | 25.937 | 0.1452 | 6.566 | 3.2 | 89.3 |
| 60.0 | 5.065 | 32.953 | 26.046 | 0.1647 | 6.558 | 2.2 | 89.4 |
| 70.0 | 4.490 | 32.955 | 26.109 | 0.1835 | 6.421 | 1.8 | 89.1 |
| 80.0 | 4.390 | 33.075 | 26.215 | 0.2014 | 6.245 | 1.6 | 88.5 |
| 90.0 | 4.418 | 33.085 | 26.221 | 0.2189 | 6.172 | 1.6 | 88.2 |
| 100.0 | 4.419 | 33.089 | 26.224 | 0.2364 | 6.125 | 1.7 | 87.9 |
| 110.0 | 4.422 | 33.090 | 26.224 | 0.2538 | 6.122 | 1.7 | 87.5 |
| 120.0 | 4.427 | 33.093 | 26.226 | 0.2712 | 6.061 | 1.8 | 86.0 |
| 130.0 | 4.432 | 33.095 | 26.227 | 0.2887 | 6.024 | 1.8 | 86.7 |
| 140.0 | 4.435 | 33.095 | 26.227 | 0.3061 | 5.975 | 1.8 | 85.8 |
| 143.0 | 4.435 | 33.095 | 26.227 | 0.3114 | 6.012 | 1.9 | 85.0 |



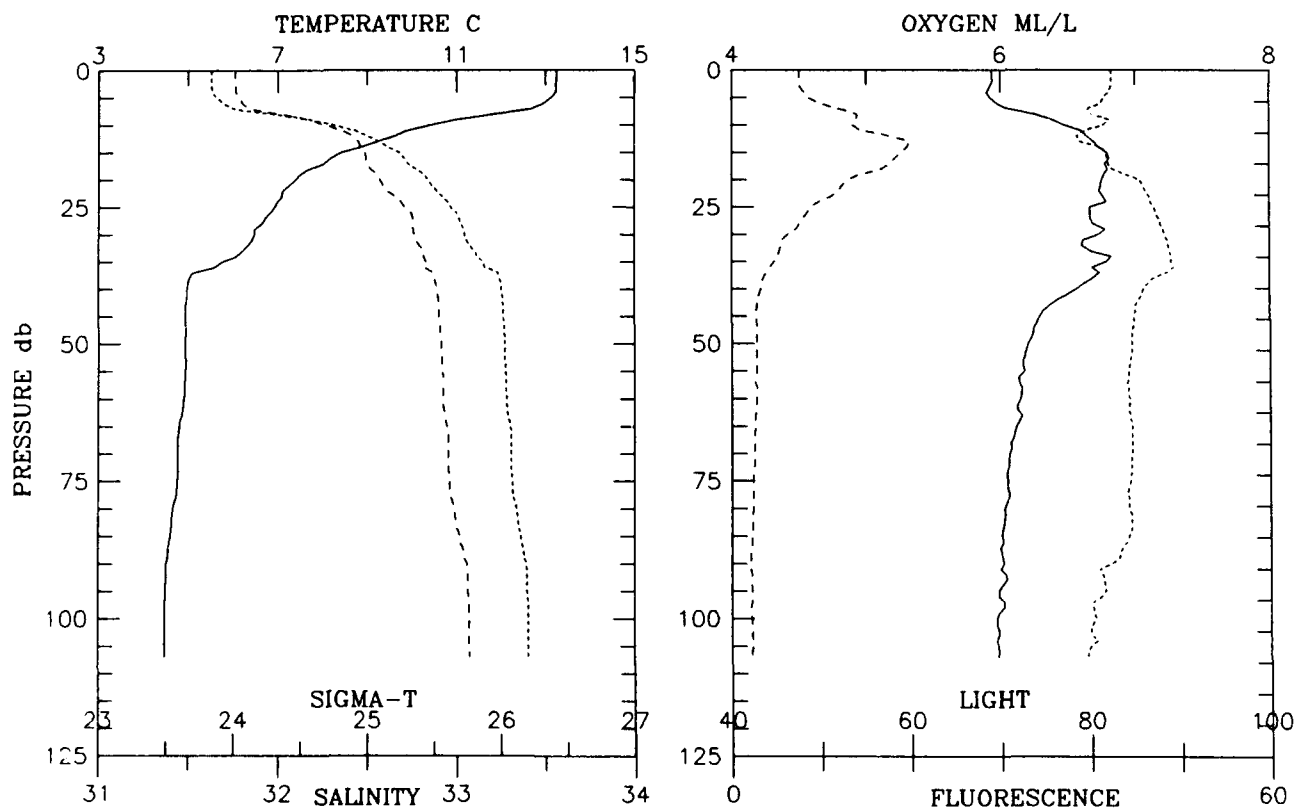
Cruise EN196 Consecutive Station # 173 Depth m:144 Time: 1989-06-09 11:32
 Position: 41° 33.40'N 68° 41.30'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.758 | 31.624 | 23.630 | 0.0000 | 5.806 | 7.0 | 83.7 |
| 10.0 | | 12.878 | 31.848 | 23.977 | 0.0407 | 6.044 | 8.3 | 83.4 |
| 20.0 | | 9.241 | 32.235 | 24.916 | 0.0745 | 6.753 | 15.8 | 83.9 |
| 30.0 | | 7.237 | 32.513 | 25.429 | 0.1016 | 6.726 | 10.9 | 87.1 |
| 40.0 | | 5.743 | 32.682 | 25.752 | 0.1250 | 6.696 | 5.5 | 88.7 |
| 50.0 | | 5.049 | 32.915 | 26.017 | 0.1456 | 6.503 | 2.8 | 89.7 |
| 60.0 | | 4.820 | 32.984 | 26.097 | 0.1646 | 6.418 | 2.0 | 89.7 |
| 70.0 | | 4.615 | 33.059 | 26.179 | 0.1829 | 6.231 | 1.7 | 89.4 |
| 80.0 | | 4.440 | 33.120 | 26.246 | 0.2002 | 6.105 | 1.6 | 83.7 |
| 90.0 | | 4.442 | 33.123 | 26.248 | 0.2175 | 6.023 | 1.6 | 83.1 |
| 100.0 | | 4.443 | 33.125 | 26.250 | 0.2346 | 6.093 | 1.7 | 83.1 |
| 110.0 | | 4.445 | 33.126 | 26.250 | 0.2518 | 6.083 | 1.7 | 83.2 |
| 120.0 | | 4.446 | 33.127 | 26.251 | 0.2690 | 6.046 | 1.7 | 82.9 |
| 130.0 | | 4.446 | 33.127 | 26.251 | 0.2862 | 5.989 | 1.8 | 82.9 |
| 140.0 | | 4.446 | 33.127 | 26.251 | 0.3035 | 5.995 | 1.9 | 82.7 |
| 141.0 | | 4.446 | 33.127 | 26.251 | 0.3052 | 5.964 | 1.9 | 82.7 |



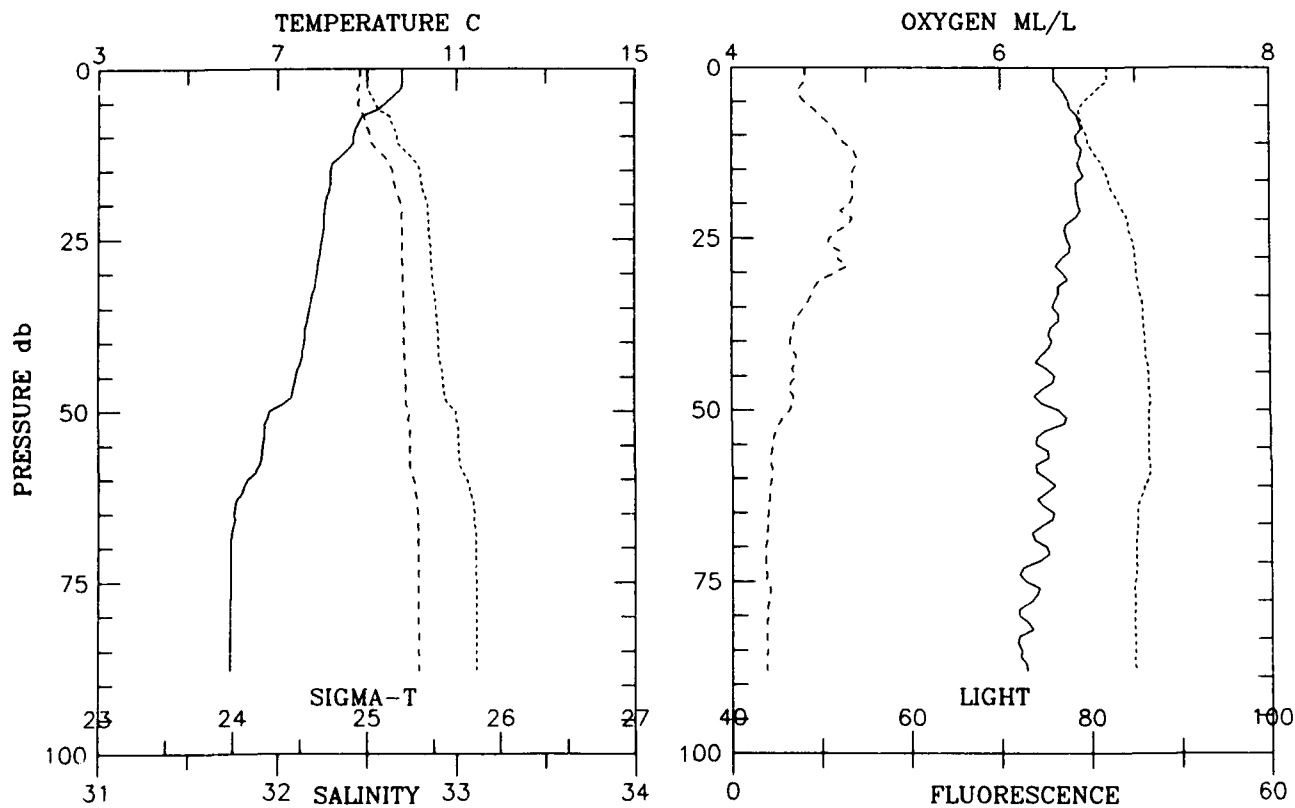
Cruise EN196 Consecutive Station # 174 Depth m:112 Time: 1989-06-09 12:46
 Position: 41° 31.20'N 68° 35.20'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.245 | 31.763 | 23.839 | 0.0000 | 5.941 | 7.5 | 82.4 |
| 10.0 | 10.423 | 32.268 | 24.749 | 0.0383 | 6.472 | 13.5 | 81.5 |
| 20.0 | 7.393 | 32.572 | 25.454 | 0.0656 | 6.752 | 12.9 | 85.6 |
| 30.0 | 6.480 | 32.763 | 25.725 | 0.0888 | 6.727 | 6.2 | 88.3 |
| 40.0 | 4.986 | 32.891 | 26.005 | 0.1096 | 6.561 | 3.2 | 85.9 |
| 50.0 | 4.939 | 32.914 | 26.029 | 0.1289 | 6.202 | 2.7 | 84.6 |
| 60.0 | 4.915 | 32.926 | 26.041 | 0.1482 | 6.145 | 2.7 | 84.4 |
| 70.0 | 4.782 | 32.954 | 26.077 | 0.1671 | 6.066 | 2.5 | 84.6 |
| 80.0 | 4.663 | 32.987 | 26.117 | 0.1858 | 6.028 | 2.4 | 84.2 |
| 90.0 | 4.518 | 33.059 | 26.189 | 0.2040 | 6.021 | 2.1 | 82.3 |
| 100.0 | 4.495 | 33.070 | 26.200 | 0.2216 | 5.965 | 2.2 | 80.5 |
| 107.0 | 4.488 | 33.073 | 26.203 | 0.2340 | 5.975 | 2.2 | 79.6 |



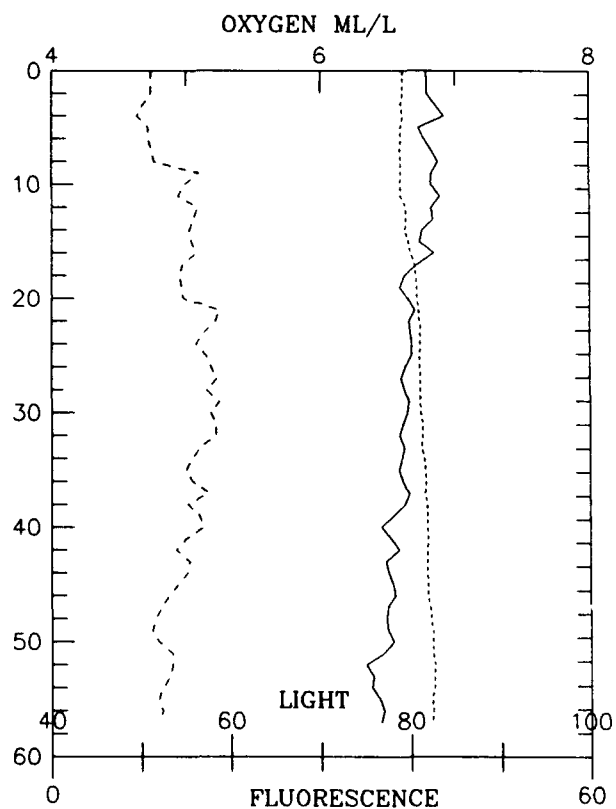
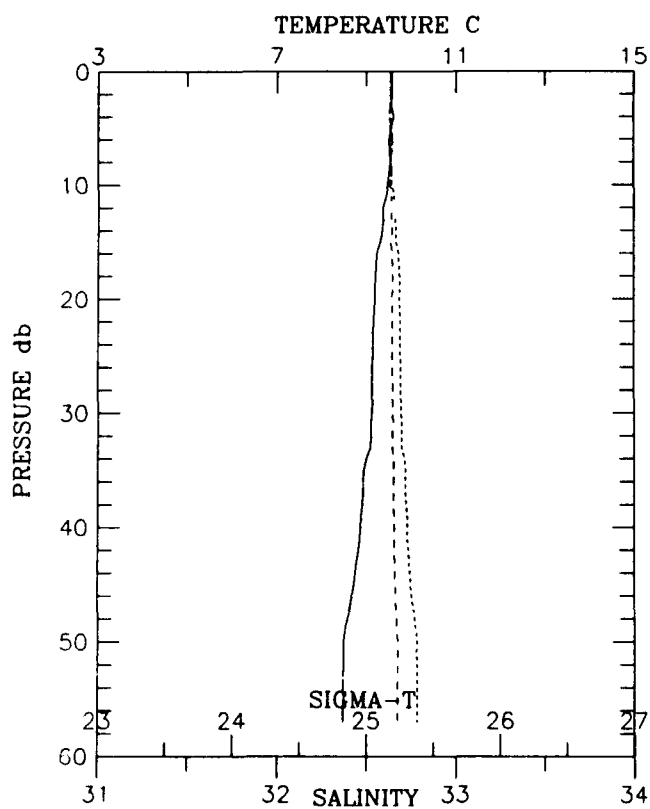
Cruise EN196 Consecutive Station # 175 Depth m:93 Time: 1989-06-09 13:58
 Position: 41° 29.80'N 68° 29.10'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.782 | 32.460 | 25.006 | 0.0000 | 6.399 | 8.2 | 81.9 |
| 5.0 | 9.415 | 32.450 | 25.057 | 0.0145 | 6.508 | 8.1 | 79.3 |
| 10.0 | 8.695 | 32.519 | 25.223 | 0.0283 | 6.559 | 11.8 | 79.6 |
| 15.0 | 8.186 | 32.641 | 25.395 | 0.0414 | 6.588 | 13.6 | 81.5 |
| 20.0 | 8.071 | 32.690 | 25.450 | 0.0539 | 6.572 | 13.2 | 83.2 |
| 25.0 | 7.987 | 32.698 | 25.469 | 0.0663 | 6.492 | 10.9 | 84.6 |
| 30.0 | 7.870 | 32.699 | 25.486 | 0.0786 | 6.457 | 11.6 | 85.1 |
| 35.0 | 7.715 | 32.706 | 25.513 | 0.0908 | 6.386 | 8.1 | 85.8 |
| 40.0 | 7.594 | 32.707 | 25.532 | 0.1028 | 6.381 | 6.5 | 86.0 |
| 45.0 | 7.412 | 32.716 | 25.564 | 0.1148 | 6.399 | 7.2 | 86.5 |
| 50.0 | 6.829 | 32.741 | 25.662 | 0.1265 | 6.426 | 6.5 | 86.5 |
| 55.0 | 6.676 | 32.740 | 25.682 | 0.1379 | 6.259 | 4.5 | 86.4 |
| 60.0 | 6.326 | 32.758 | 25.741 | 0.1491 | 6.331 | 4.3 | 86.3 |
| 65.0 | 6.030 | 32.783 | 25.797 | 0.1600 | 6.385 | 4.0 | 85.1 |
| 70.0 | 5.957 | 32.787 | 25.810 | 0.1707 | 6.331 | 3.7 | 84.9 |
| 75.0 | 5.950 | 32.788 | 25.812 | 0.1814 | 6.178 | 3.7 | 84.8 |
| 80.0 | 5.947 | 32.788 | 25.812 | 0.1921 | 6.128 | 3.9 | 84.7 |
| 85.0 | 5.944 | 32.788 | 25.812 | 0.2028 | 6.147 | 3.9 | 84.8 |
| 88.0 | 5.943 | 32.789 | 25.813 | 0.2092 | 6.186 | 3.8 | 84.9 |



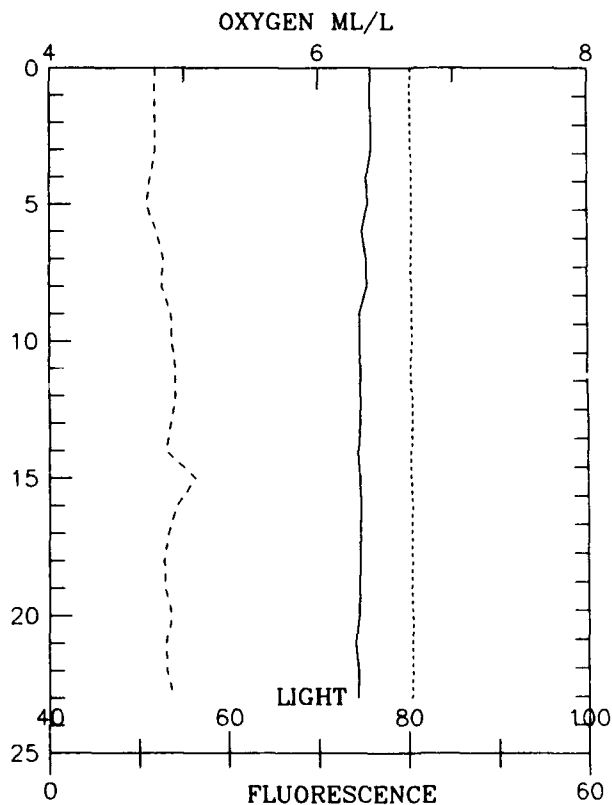
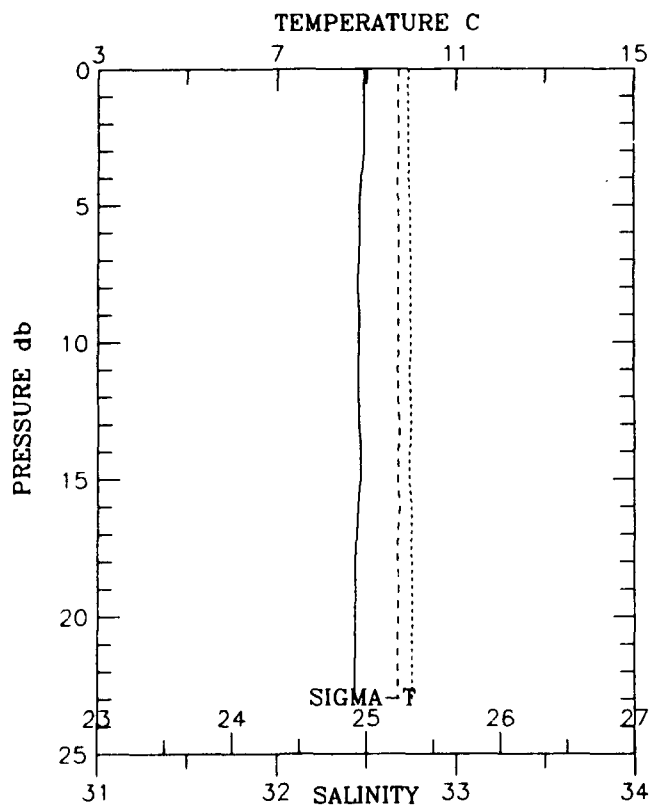
Cruise EN196 Consecutive Station # 176 Depth m:60 Time: 1989-06-09 15:35
 Position: 41° 27.50'N 68° 22.50'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 9.569 | 32.637 | 25.178 | 0.0000 | 6.789 | 11.1 | 79.2 |
| 5.0 | 9.552 | 32.637 | 25.181 | 0.0137 | 6.729 | 10.8 | 79.0 |
| 10.0 | 9.484 | 32.633 | 25.189 | 0.0274 | 6.820 | 14.9 | 78.9 |
| 15.0 | 9.303 | 32.634 | 25.219 | 0.0409 | 6.735 | 15.6 | 79.8 |
| 20.0 | 9.186 | 32.642 | 25.243 | 0.0543 | 6.645 | 14.7 | 80.7 |
| 25.0 | 9.139 | 32.646 | 25.254 | 0.0677 | 6.674 | 17.3 | 81.0 |
| 30.0 | 9.118 | 32.646 | 25.257 | 0.0810 | 6.642 | 17.7 | 81.1 |
| 35.0 | 8.943 | 32.654 | 25.291 | 0.0943 | 6.580 | 15.0 | 81.6 |
| 40.0 | 8.864 | 32.656 | 25.304 | 0.1075 | 6.449 | 16.9 | 81.8 |
| 45.0 | 8.725 | 32.661 | 25.329 | 0.1206 | 6.536 | 14.1 | 81.9 |
| 50.0 | 8.487 | 32.672 | 25.375 | 0.1334 | 6.532 | 11.9 | 82.4 |
| 55.0 | 8.484 | 32.672 | 25.375 | 0.1462 | 6.432 | 11.9 | 82.3 |
| 57.0 | 8.465 | 32.674 | 25.379 | 0.1513 | 6.440 | 12.0 | 82.3 |



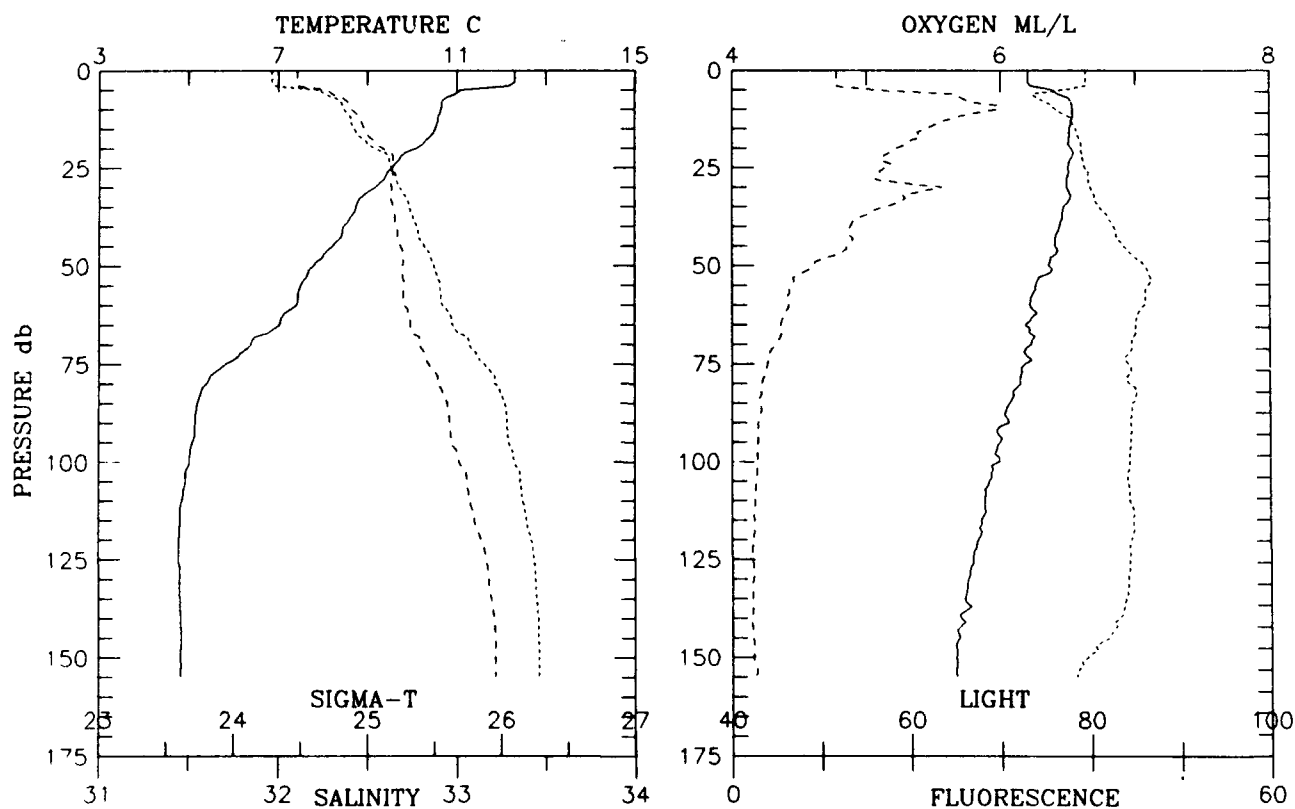
Cruise EM196 Consecutive Station # 177 Depth m:25 Time: 1989-06-09 17:14
 Position: 41° 38.78'N 68° 24.10'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 8.933 | 32.678 | 25.311 | 0.0000 | 6.391 | 11.8 |
| 2.0 | E | 8.932 | 32.678 | 25.311 | 0.0052 | 6.392 | 11.8 |
| 4.0 | | 8.879 | 32.673 | 25.315 | 0.0104 | 6.361 | 11.3 |
| 6.0 | | 8.835 | 32.677 | 25.325 | 0.0156 | 6.326 | 12.0 |
| 8.0 | | 8.814 | 32.679 | 25.330 | 0.0208 | 6.363 | 12.6 |
| 10.0 | | 8.815 | 32.678 | 25.329 | 0.0260 | 6.307 | 13.7 |
| 12.0 | | 8.826 | 32.678 | 25.327 | 0.0312 | 6.311 | 14.1 |
| 14.0 | | 8.870 | 32.679 | 25.321 | 0.0364 | 6.291 | 13.0 |
| 16.0 | | 8.805 | 32.683 | 25.334 | 0.0416 | 6.311 | 14.2 |
| 18.0 | | 8.750 | 32.676 | 25.337 | 0.0468 | 6.309 | 12.8 |
| 20.0 | | 8.734 | 32.674 | 25.339 | 0.0520 | 6.297 | 13.6 |
| 22.0 | | 8.741 | 32.676 | 25.339 | 0.0572 | 6.291 | 13.1 |
| 23.0 | | 8.735 | 32.675 | 25.339 | 0.0597 | 6.289 | 13.8 |



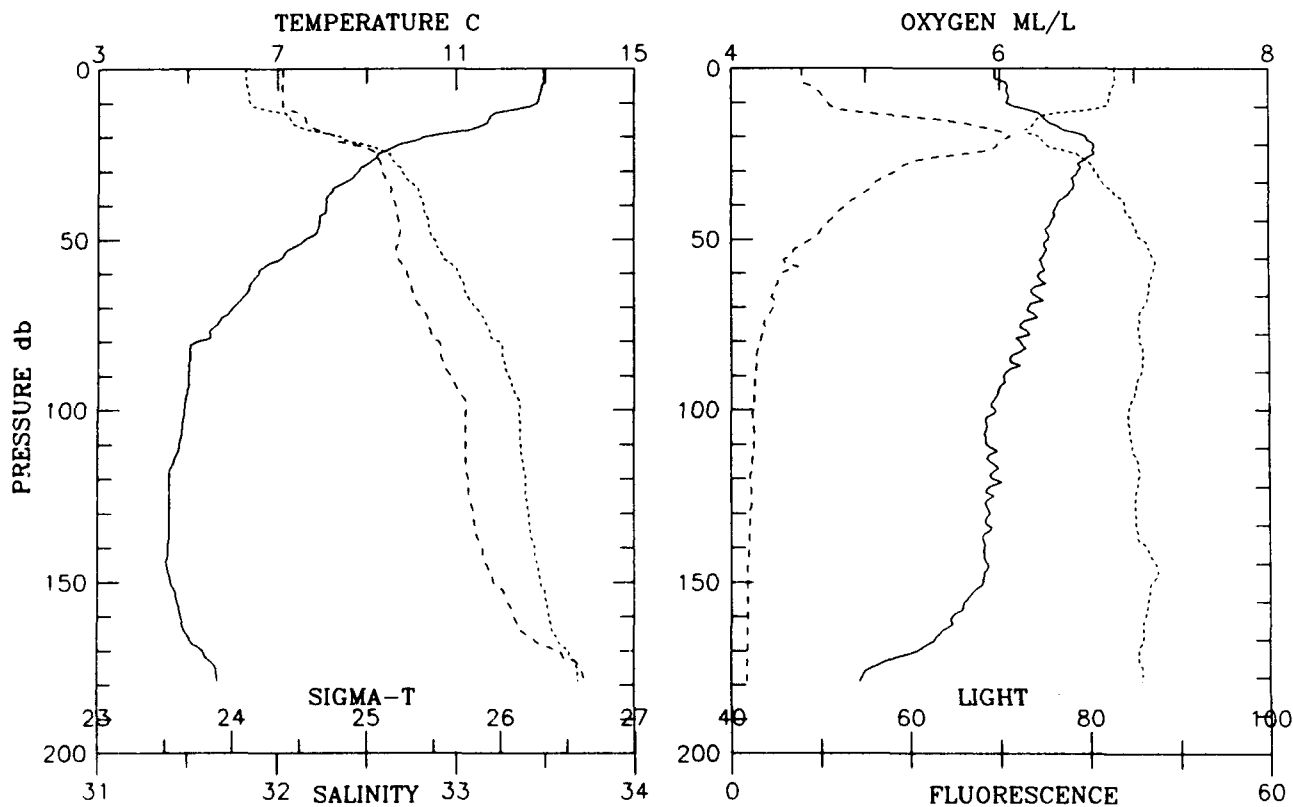
Cruise EN196 Consecutive Station # 178 Depth m:158 Time: 1989-06-09 18:10
 Position: 41° 41.20'N 68° 26.42'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.295 | 32.106 | 24.288 | 0.0000 | 6.204 | 11.7 | 79.5 |
| 10.0 | | 10.640 | 32.409 | 24.822 | 0.0335 | 6.535 | 29.7 | 76.1 |
| 20.0 | | 10.085 | 32.583 | 25.052 | 0.0634 | 6.525 | 18.4 | 79.0 |
| 30.0 | | 9.175 | 32.633 | 25.238 | 0.0908 | 6.489 | 23.5 | 80.0 |
| 40.0 | | 8.460 | 32.667 | 25.374 | 0.1170 | 6.439 | 13.2 | 82.5 |
| 50.0 | | 7.782 | 32.694 | 25.495 | 0.1420 | 6.356 | 9.0 | 86.0 |
| 60.0 | | 7.409 | 32.706 | 25.557 | 0.1661 | 6.212 | 6.3 | 86.0 |
| 70.0 | | 6.387 | 32.790 | 25.758 | 0.1889 | 6.225 | 4.9 | 84.6 |
| 80.0 | | 5.403 | 32.883 | 25.952 | 0.2098 | 6.147 | 3.3 | 84.3 |
| 90.0 | | 5.155 | 32.960 | 26.041 | 0.2292 | 6.060 | 2.9 | 84.4 |
| 100.0 | | 5.020 | 33.014 | 26.099 | 0.2482 | 5.988 | 2.8 | 84.3 |
| 110.0 | | 4.872 | 33.068 | 26.158 | 0.2664 | 5.881 | 2.5 | 84.3 |
| 120.0 | | 4.796 | 33.137 | 26.222 | 0.2842 | 5.825 | 2.3 | 84.4 |
| 130.0 | | 4.804 | 33.178 | 26.253 | 0.3015 | 5.749 | 2.3 | 84.1 |
| 140.0 | | 4.842 | 33.211 | 26.274 | 0.3186 | 5.695 | 2.1 | 83.0 |
| 150.0 | | 4.843 | 33.216 | 26.278 | 0.3356 | 5.662 | 2.4 | 79.5 |
| 155.0 | | 4.841 | 33.217 | 26.279 | 0.3441 | 5.666 | 2.5 | 78.4 |



Cruise EN196 Consecutive Station # 179 Depth m:172 Time: 1989-06-09 19:03
 Position: 41° 42.21'N 68° 27.91'W Depth Deck Offset: -0.15 Fish 1

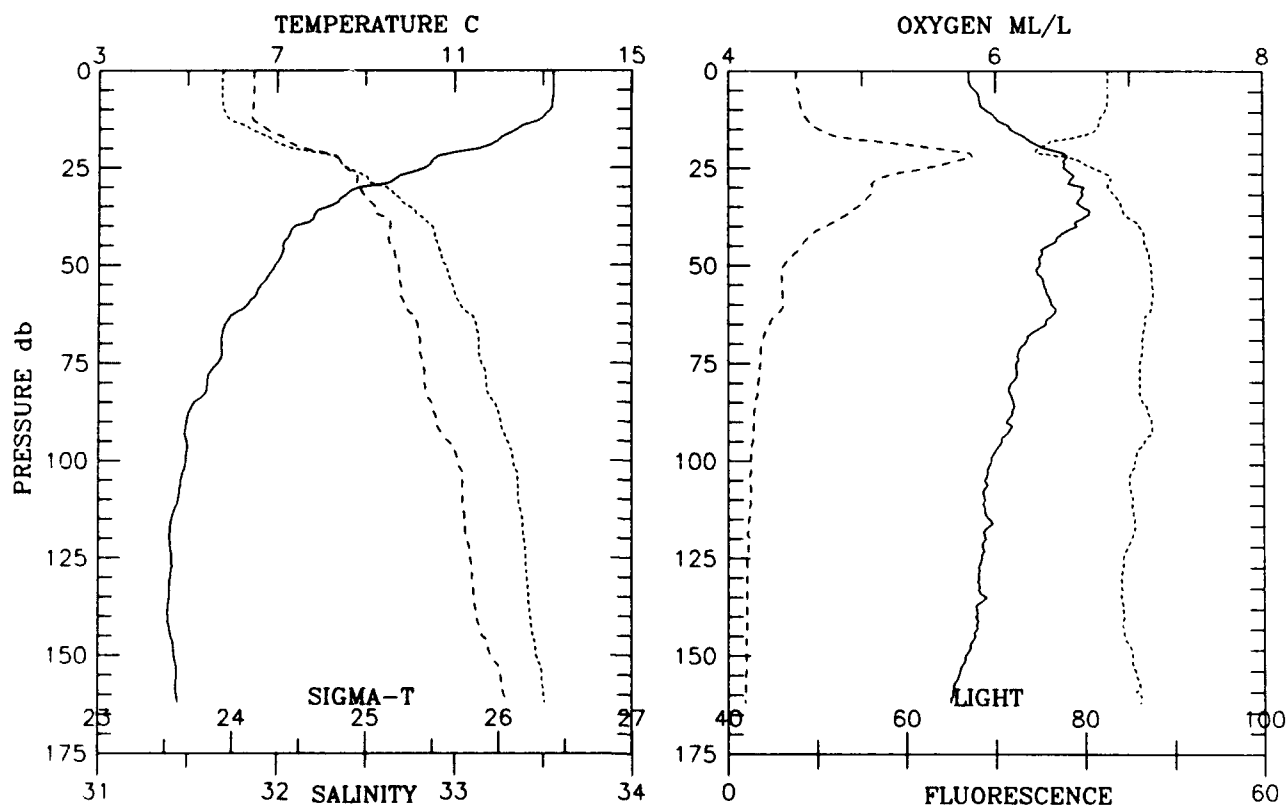
| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.977 | 32.030 | 24.098 | 0.0000 | 5.965 | 7.9 | 82.8 |
| 10.0 | | 12.832 | 32.029 | 24.125 | 0.0376 | 6.048 | 10.8 | 82.2 |
| 20.0 | | 10.297 | 32.323 | 24.813 | 0.0722 | 6.641 | 31.2 | 74.6 |
| 30.0 | | 8.811 | 32.585 | 25.257 | 0.1003 | 6.581 | 18.3 | 80.5 |
| 40.0 | | 8.102 | 32.665 | 25.425 | 0.1260 | 6.428 | 12.9 | 84.0 |
| 50.0 | | 7.620 | 32.682 | 25.509 | 0.1508 | 6.358 | 9.0 | 85.8 |
| 60.0 | | 6.595 | 32.725 | 25.680 | 0.1743 | 6.291 | 5.7 | 87.0 |
| 70.0 | | 6.012 | 32.807 | 25.819 | 0.1963 | 6.209 | 4.7 | 85.9 |
| 80.0 | | 5.219 | 32.902 | 25.988 | 0.2169 | 6.152 | 3.2 | 85.4 |
| 90.0 | | 5.028 | 32.971 | 26.064 | 0.2362 | 6.026 | 2.6 | 85.5 |
| 100.0 | | 4.937 | 33.058 | 26.143 | 0.2548 | 5.960 | 2.4 | 84.3 |
| 110.0 | | 4.830 | 33.054 | 26.152 | 0.2730 | 5.901 | 2.5 | 84.7 |
| 120.0 | | 4.602 | 33.069 | 26.188 | 0.2909 | 5.942 | 2.1 | 85.4 |
| 130.0 | | 4.606 | 33.099 | 26.211 | 0.3087 | 5.926 | 2.1 | 85.0 |
| 140.0 | | 4.579 | 33.149 | 26.254 | 0.3261 | 5.882 | 1.9 | 86.3 |
| 150.0 | | 4.628 | 33.209 | 26.296 | 0.3431 | 5.869 | 1.8 | 86.8 |
| 160.0 | | 4.851 | 33.321 | 26.361 | 0.3595 | 5.639 | 1.8 | 86.1 |
| 170.0 | | 5.363 | 33.586 | 26.512 | 0.3753 | 5.380 | 1.8 | 85.4 |
| 179.0 | | 5.685 | 33.719 | 26.580 | 0.3883 | 4.956 | 1.7 | 85.7 |



Cruise EN196 Consecutive Station # 180 Depth m:171 Time: 1989-06-09 19:42
 Position: 41° 43.00'N 68° 29.00'W Depth Deck Offset: -0.15 Fish 1

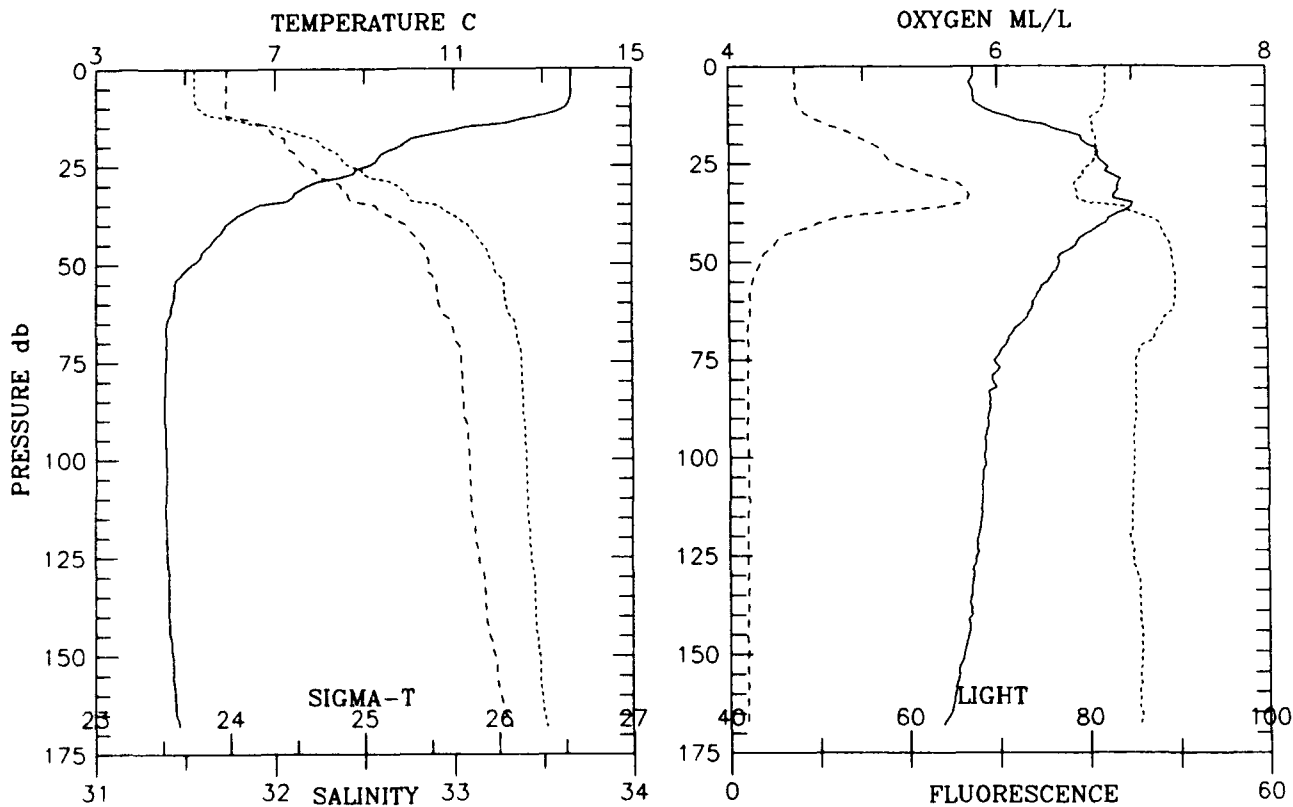
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%light) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 13.233 | 31.871 | 23.925 | 0.0000 | 5.803 | 7.6 |
| 10.0 | | 13.171 | 31.864 | 23.932 | 0.0394 | 5.926 | 8.2 |
| 20.0 | | 11.554 | 32.150 | 24.458 | 0.0767 | 6.382 | 23.9 |
| 30.0 | | 8.889 | 32.470 | 25.155 | 0.1071 | 6.661 | 16.2 |
| 40.0 | | 7.413 | 32.637 | 25.501 | 0.1331 | 6.605 | 10.8 |
| 50.0 | | 6.959 | 32.685 | 25.602 | 0.1570 | 6.329 | 6.2 |
| 60.0 | | 6.352 | 32.716 | 25.704 | 0.1799 | 6.416 | 6.2 |
| 70.0 | | 5.761 | 32.804 | 25.847 | 0.2013 | 6.214 | 3.8 |
| 80.0 | | 5.444 | 32.832 | 25.906 | 0.2221 | 6.115 | 3.3 |
| 90.0 | | 4.985 | 32.899 | 26.012 | 0.2421 | 6.078 | 2.9 |
| 100.0 | | 4.964 | 33.020 | 26.110 | 0.2610 | 5.967 | 2.5 |
| 110.0 | | 4.799 | 33.044 | 26.147 | 0.2793 | 5.919 | 2.4 |
| 120.0 | | 4.610 | 33.067 | 26.186 | 0.2973 | 5.923 | 2.5 |
| 130.0 | | 4.627 | 33.101 | 26.211 | 0.3149 | 5.869 | 2.1 |
| 140.0 | | 4.573 | 33.125 | 26.236 | 0.3324 | 5.850 | 2.1 |
| 150.0 | | 4.711 | 33.202 | 26.282 | 0.3496 | 5.768 | 2.0 |
| 160.0 | | 4.761 | 33.277 | 26.336 | 0.3662 | 5.678 | 1.9 |
| 162.0 | | 4.797 | 33.292 | 26.344 | 0.3694 | 5.660 | 1.9 |



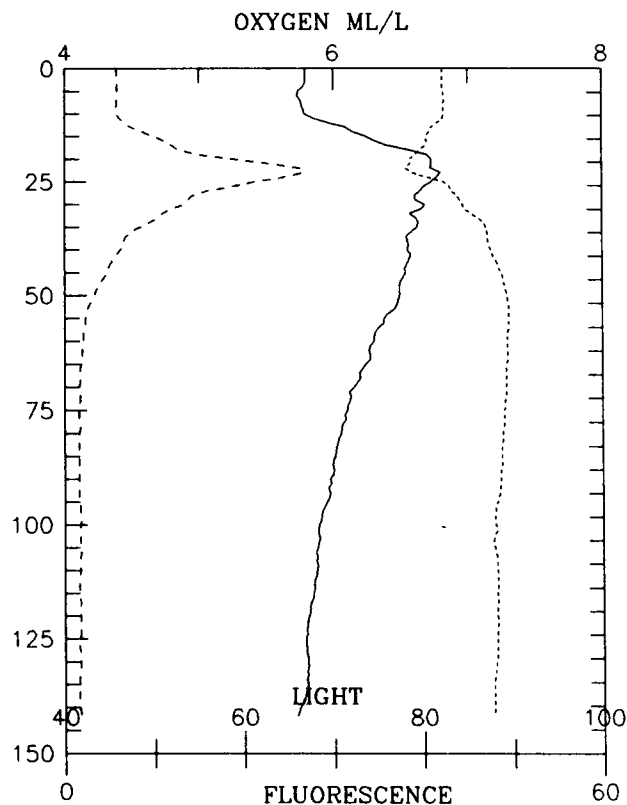
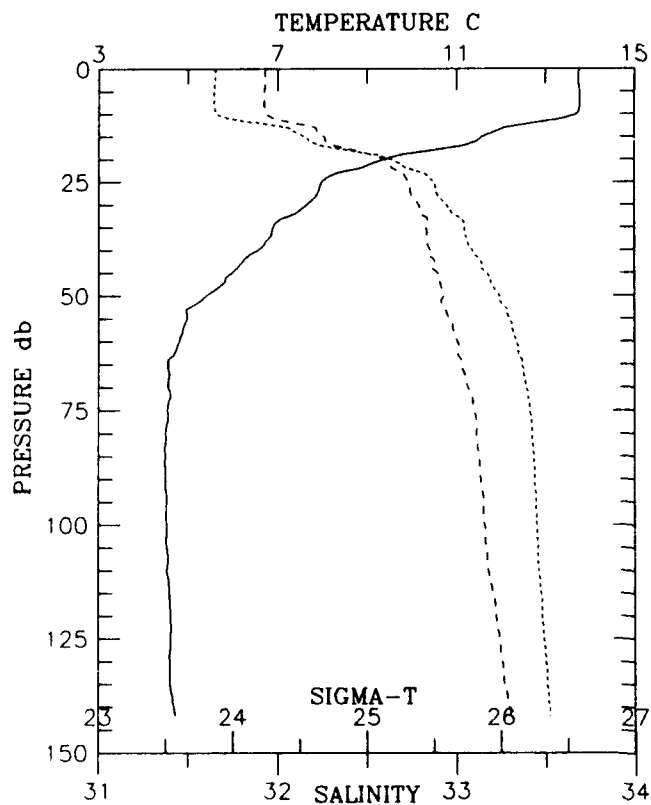
Cruise EN196 Consecutive Station # 181 Depth m:191 Time: 1989-06-09 20:28
 Position: 41° 45.00'N 68° 32.48'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.644 | 31.731 | 23.735 | 0.0000 | 5.822 | 7.4 | 82.1 |
| 10.0 | | 13.502 | 31.729 | 23.761 | 0.0412 | 5.865 | 7.8 | 81.8 |
| 20.0 | | 9.801 | 32.056 | 24.687 | 0.0773 | 6.668 | 16.1 | 81.0 |
| 30.0 | | 7.749 | 32.365 | 25.241 | 0.1071 | 6.895 | 25.6 | 78.5 |
| 40.0 | | 5.888 | 32.728 | 25.772 | 0.1315 | 6.806 | 10.2 | 87.9 |
| 50.0 | | 5.140 | 32.866 | 25.964 | 0.1522 | 6.457 | 3.5 | 89.5 |
| 60.0 | | 4.706 | 32.9 | 26.055 | 0.1715 | 6.260 | 2.4 | 89.6 |
| 70.0 | | 4.570 | 33.011 | 26.146 | 0.1899 | 6.069 | 2.0 | 87.2 |
| 80.0 | | 4.541 | 33.045 | 26.176 | 0.2079 | 5.954 | 2.0 | 85.2 |
| 90.0 | | 4.536 | 33.064 | 26.191 | 0.2257 | 5.919 | 2.0 | 85.2 |
| 100.0 | | 4.561 | 33.080 | 26.201 | 0.2433 | 5.891 | 2.0 | 84.9 |
| 110.0 | | 4.578 | 33.094 | 26.211 | 0.2610 | 5.874 | 2.0 | 84.8 |
| 120.0 | | 4.589 | 33.119 | 26.229 | 0.2784 | 5.847 | 2.0 | 84.5 |
| 130.0 | | 4.630 | 33.166 | 26.262 | 0.2957 | 5.805 | 2.0 | 85.3 |
| 140.0 | | 4.636 | 33.177 | 26.270 | 0.3127 | 5.796 | 2.0 | 85.7 |
| 150.0 | | 4.722 | 33.229 | 26.302 | 0.3296 | 5.736 | 2.0 | 85.7 |
| 160.0 | | 4.778 | 33.261 | 26.322 | 0.3463 | 5.672 | 1.9 | 85.5 |
| 168.0 | | 4.881 | 33.322 | 26.358 | 0.3594 | 5.586 | 2.0 | 85.6 |



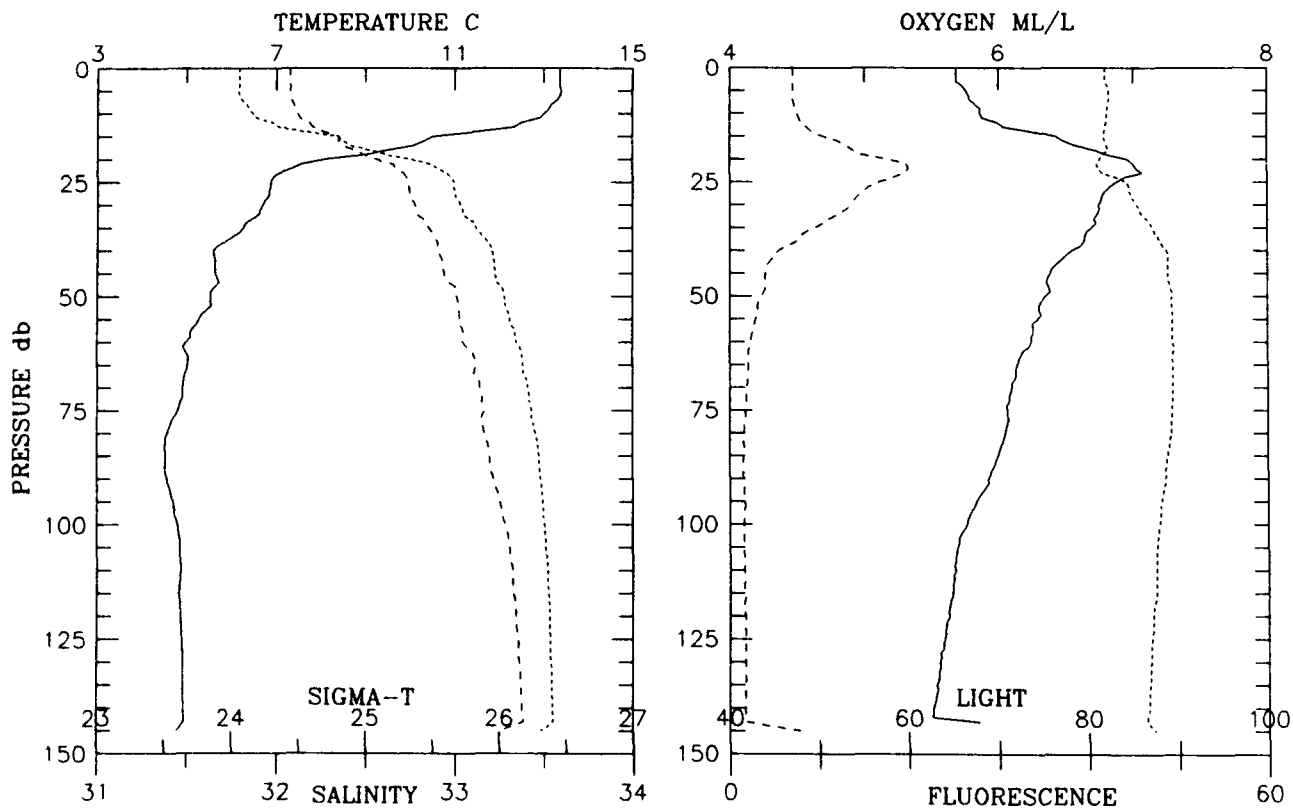
Cruise EN196 Consecutive Station # 182 Depth m:165 Time: 1989-06-09 21:56
 Position: 41° 49.17'N 68° 38.87'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.750 | 31.931 | 23.868 | 0.0000 | 5.791 | 5.8 | 82.2 |
| 10.0 | | 13.718 | 31.932 | 23.875 | 0.0400 | 5.788 | 5.8 | 82.3 |
| 20.0 | | 9.381 | 32.596 | 25.176 | 0.0736 | 6.729 | 18.8 | 78.5 |
| 30.0 | | 7.639 | 32.788 | 25.589 | 0.0985 | 6.682 | 13.2 | 84.4 |
| 40.0 | | 6.568 | 32.853 | 25.785 | 0.1209 | 6.548 | 6.2 | 87.6 |
| 50.0 | | 5.410 | 32.932 | 25.989 | 0.1415 | 6.492 | 3.3 | 89.4 |
| 60.0 | | 4.808 | 33.006 | 26.116 | 0.1605 | 6.301 | 2.1 | 89.4 |
| 70.0 | | 4.552 | 33.063 | 26.188 | 0.1785 | 6.150 | 1.6 | 89.2 |
| 80.0 | | 4.504 | 33.112 | 26.233 | 0.1960 | 6.053 | 1.6 | 88.9 |
| 90.0 | | 4.505 | 33.136 | 26.252 | 0.2132 | 5.972 | 1.6 | 88.6 |
| 100.0 | | 4.529 | 33.158 | 26.267 | 0.2303 | 5.891 | 1.7 | 88.0 |
| 110.0 | | 4.535 | 33.177 | 26.281 | 0.2472 | 5.872 | 1.7 | 88.2 |
| 120.0 | | 4.617 | 33.220 | 26.306 | 0.2640 | 5.811 | 1.7 | 88.1 |
| 130.0 | | 4.603 | 33.256 | 26.336 | 0.2805 | 5.801 | 1.7 | 88.0 |
| 140.0 | | 4.690 | 33.298 | 26.360 | 0.2968 | 5.745 | 1.6 | 87.8 |
| 142.0 | | 4.714 | 33.307 | 26.365 | 0.3000 | 5.725 | 1.7 | 87.8 |



Cruise EN196 Consecutive Station # 183 Depth m:165 Time: 1989-06-09 23:12
 Position: 41° 52.90'N 68° 49.70'W Depth Deck Offset: -0.15 Fish 1

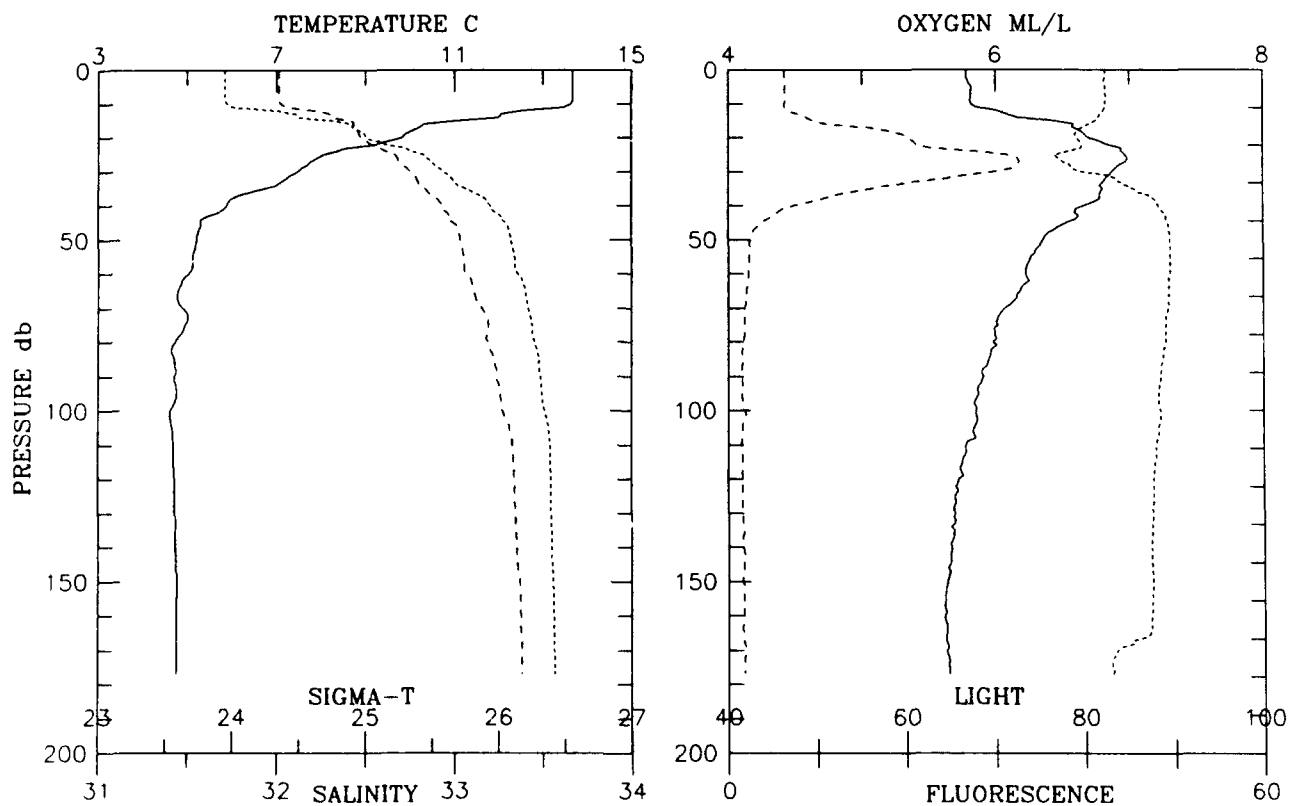
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 13.362 | 32.079 | 24.060 | 0.0000 | 5.685 | 7.0 | 81.9 |
| 10.0 | 13.014 | 32.121 | 24.161 | 0.0379 | 5.864 | 7.5 | 82.1 |
| 20.0 | 8.100 | 32.563 | 25.346 | 0.0700 | 6.962 | 17.7 | 81.3 |
| 30.0 | 6.694 | 32.776 | 25.708 | 0.0932 | 6.743 | 13.5 | 85.4 |
| 40.0 | 5.590 | 32.908 | 25.949 | 0.1144 | 6.542 | 5.4 | 88.7 |
| 50.0 | 5.533 | 33.011 | 26.037 | 0.1341 | 6.351 | 3.5 | 89.3 |
| 60.0 | 4.984 | 33.047 | 26.129 | 0.1528 | 6.246 | 2.3 | 89.4 |
| 70.0 | 4.916 | 33.142 | 26.212 | 0.1707 | 6.096 | 1.8 | 89.4 |
| 80.0 | 4.577 | 33.167 | 26.269 | 0.1879 | 6.048 | 1.6 | 89.2 |
| 90.0 | 4.578 | 33.220 | 26.311 | 0.2047 | 5.920 | 1.5 | 88.5 |
| 100.0 | 4.810 | 33.288 | 26.339 | 0.2211 | 5.765 | 1.6 | 87.9 |
| 110.0 | 4.877 | 33.324 | 26.361 | 0.2374 | 5.674 | 1.6 | 87.5 |
| 120.0 | 4.882 | 33.344 | 26.376 | 0.2534 | 5.631 | 1.7 | 87.1 |
| 130.0 | 4.924 | 33.362 | 26.386 | 0.2694 | 5.561 | 1.7 | 86.9 |
| 140.0 | 4.932 | 33.376 | 26.396 | 0.2853 | 5.512 | 1.7 | 86.7 |
| 145.0 | 4.788 | 33.247 | 26.309 | 0.2933 | 19.455 | 8.2 | 87.4 |



Cruise EN196 Consecutive Station # 184 Depth m:192 Time: 1989-06-10 00:29
 Position: 41° 56.50'N 69° 0.00'W Depth Deck Offset: -0.15 Fish 1

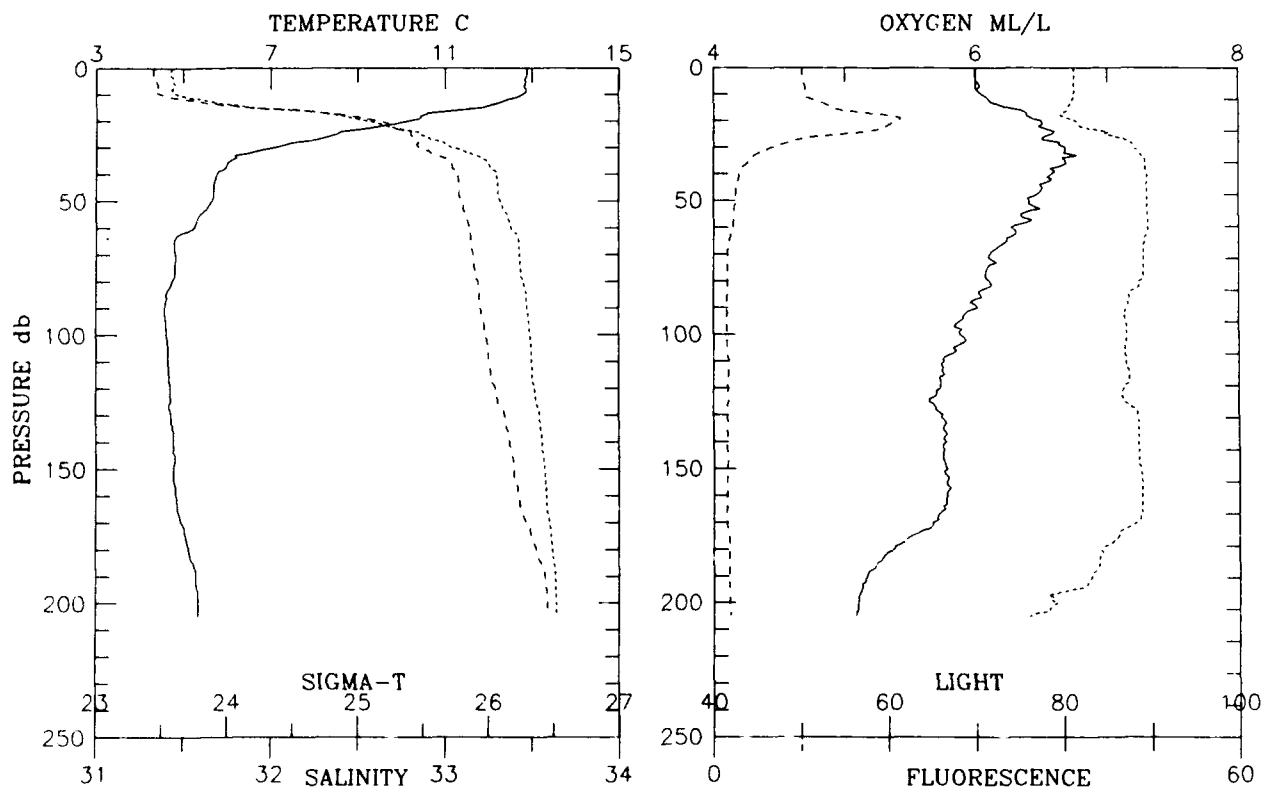
| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|------|
| 0.0 | E | 13.671 | 32.013 | 23.947 | 0.0000 | 5.784 | 6.3 | 82.3 |
| 10.0 | | 13.629 | 32.021 | 23.962 | 0.0392 | 5.815 | 6.3 | 82.3 |
| 20.0 | | 9.825 | 32.470 | 25.006 | 0.0718 | 6.688 | 20.3 | 79.1 |
| 30.0 | | 7.469 | 32.753 | 25.585 | 0.0974 | 6.869 | 29.9 | 79.5 |
| 40.0 | | 5.885 | 32.939 | 25.938 | 0.1192 | 6.662 | 7.3 | 88.2 |
| 50.0 | | 5.207 | 33.035 | 26.094 | 0.1383 | 6.353 | 2.5 | 89.5 |
| 60.0 | | 5.018 | 33.068 | 26.142 | 0.1568 | 6.223 | 2.2 | 89.5 |
| 70.0 | | 4.912 | 33.156 | 26.223 | 0.1744 | 6.065 | 1.8 | 89.3 |
| 80.0 | | 4.743 | 33.192 | 26.271 | 0.1916 | 5.978 | 1.7 | 89.0 |
| 90.0 | | 4.705 | 33.240 | 26.313 | 0.2084 | 5.908 | 1.6 | 88.4 |
| 100.0 | | 4.622 | 33.272 | 26.347 | 0.2248 | 5.848 | 1.8 | 88.4 |
| 110.0 | | 4.686 | 33.327 | 26.384 | 0.2409 | 5.771 | 1.5 | 88.0 |
| 120.0 | | 4.713 | 33.338 | 26.390 | 0.2568 | 5.721 | 1.6 | 87.6 |
| 130.0 | | 4.725 | 33.344 | 26.393 | 0.2726 | 5.689 | 1.6 | 87.5 |
| 140.0 | | 4.741 | 33.351 | 26.397 | 0.2885 | 5.669 | 1.6 | 87.3 |
| 150.0 | | 4.780 | 33.370 | 26.407 | 0.3043 | 5.633 | 1.6 | 87.5 |
| 160.0 | | 4.766 | 33.375 | 26.414 | 0.3200 | 5.615 | 1.7 | 87.3 |
| 170.0 | | 4.759 | 33.379 | 26.417 | 0.3357 | 5.629 | 1.9 | 83.5 |
| 177.0 | | 4.756 | 33.381 | 26.419 | 0.3466 | 5.650 | 1.8 | 83.0 |



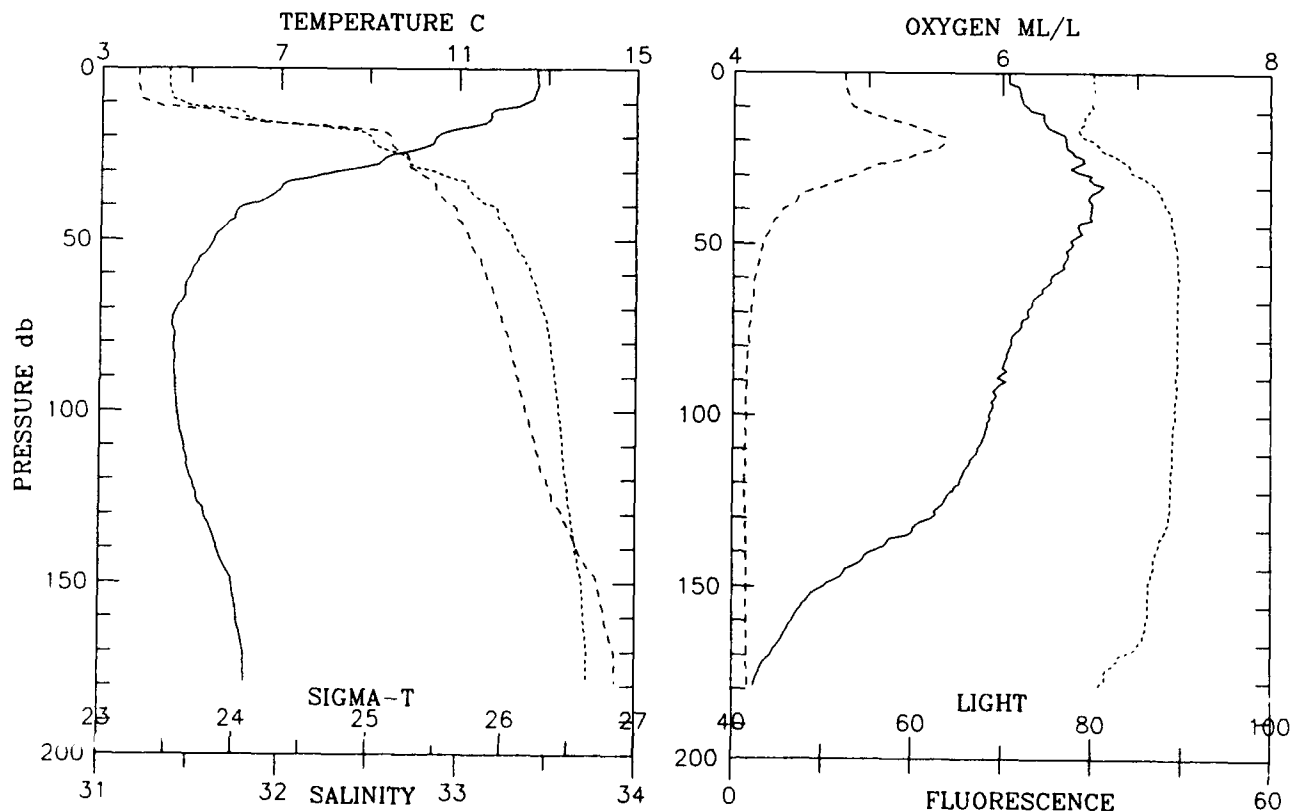
Cruise EN196 Consecutive Station # 185 Depth m:212 Time: 1989-06-10 01:51
 Position: 41° 53.20'N 69° 12.00'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.887 | 31.327 | 23.571 | 0.0000 | 5.995 | 10.2 |
| 10.0 | | 12.796 | 31.373 | 23.625 | 0.0426 | 6.045 | 10.5 |
| 20.0 | | 10.162 | 32.630 | 25.075 | 0.0782 | 6.497 | 21.1 |
| 30.0 | | 7.087 | 32.848 | 25.713 | 0.1031 | 6.678 | 6.7 |
| 40.0 | | 5.767 | 33.072 | 26.058 | 0.1232 | 6.578 | 2.9 |
| 50.0 | | 5.646 | 33.096 | 26.091 | 0.1420 | 6.409 | 2.5 |
| 60.0 | | 5.238 | 33.135 | 26.170 | 0.1602 | 6.268 | 2.2 |
| 70.0 | | 4.823 | 33.161 | 26.237 | 0.1777 | 6.108 | 1.6 |
| 80.0 | | 4.733 | 33.189 | 26.269 | 0.1948 | 6.104 | 1.6 |
| 90.0 | | 4.578 | 33.202 | 26.296 | 0.2117 | 6.018 | 1.5 |
| 100.0 | | 4.622 | 33.235 | 26.318 | 0.2283 | 5.874 | 1.5 |
| 110.0 | | 4.648 | 33.249 | 26.326 | 0.2448 | 5.759 | 1.7 |
| 120.0 | | 4.707 | 33.288 | 26.351 | 0.2611 | 5.730 | 1.7 |
| 130.0 | | 4.725 | 33.342 | 26.391 | 0.2772 | 5.750 | 1.6 |
| 140.0 | | 4.779 | 33.372 | 26.409 | 0.2930 | 5.775 | 1.6 |
| 150.0 | | 4.779 | 33.393 | 26.426 | 0.3086 | 5.780 | 1.5 |
| 160.0 | | 4.835 | 33.421 | 26.442 | 0.3241 | 5.776 | 1.4 |
| 170.0 | | 4.956 | 33.465 | 26.463 | 0.3395 | 5.665 | 1.5 |
| 180.0 | | 5.130 | 33.524 | 26.490 | 0.3546 | 5.374 | 1.8 |
| 190.0 | | 5.284 | 33.571 | 26.510 | 0.3695 | 5.168 | 1.7 |
| 200.0 | | 5.338 | 33.585 | 26.515 | 0.3843 | 5.097 | 1.8 |
| 205.0 | | 5.345 | 33.587 | 26.515 | 0.3917 | 5.082 | 1.8 |



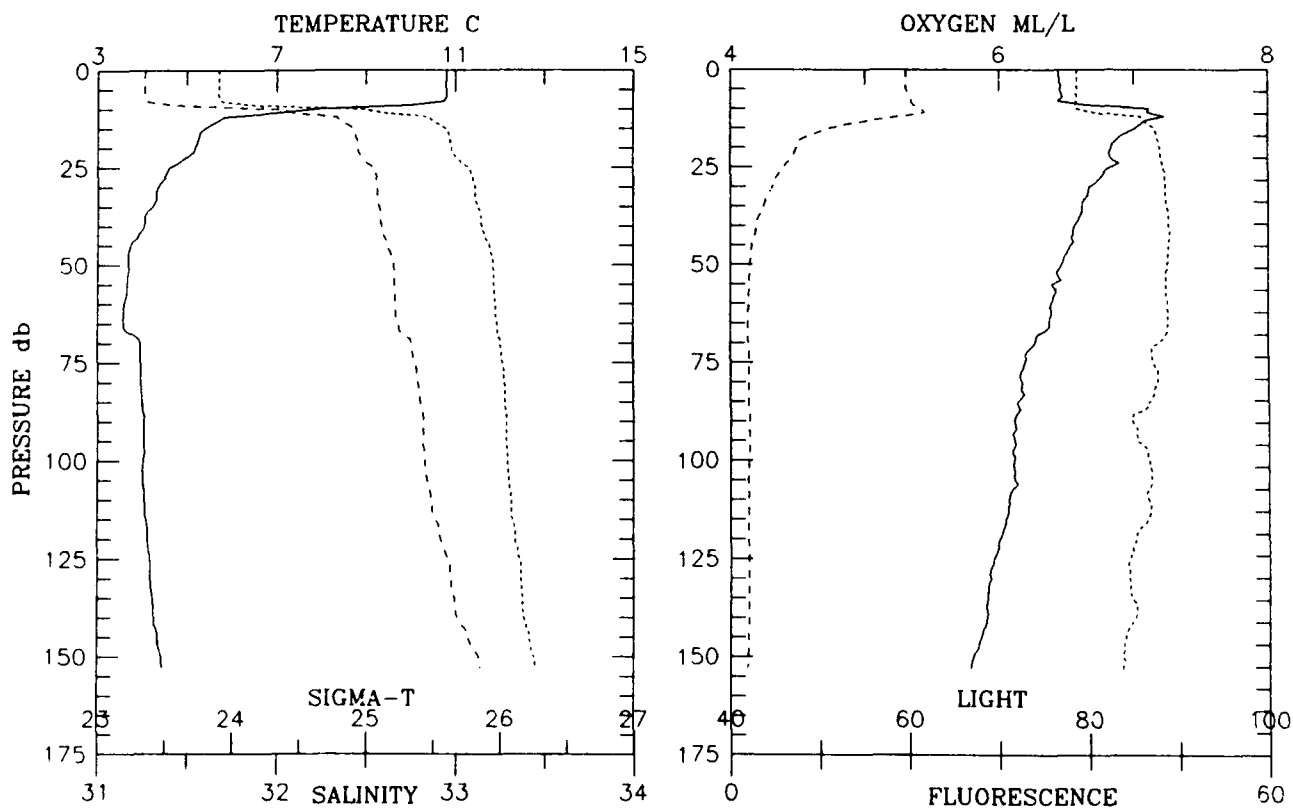
Cruise EN196 Consecutive Station # 186 Depth m:190 Time: 1989-06-10 03:21
 Position: 41° 50.20'N 69° 23.40'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.758 | 31.206 | 23.503 | 0.0000 | 6.047 | 12.4 |
| 10.0 | | 12.495 | 31.280 | 23.610 | 0.0433 | 6.196 | 13.4 |
| 20.0 | | 10.492 | 32.616 | 25.008 | 0.0790 | 6.471 | 23.7 |
| 30.0 | | 8.263 | 32.780 | 25.492 | 0.1062 | 6.663 | 13.5 |
| 40.0 | | 6.224 | 32.968 | 25.919 | 0.1284 | 6.662 | 5.5 |
| 50.0 | | 5.529 | 33.066 | 26.081 | 0.1479 | 6.529 | 3.3 |
| 60.0 | | 5.030 | 33.153 | 26.208 | 0.1660 | 6.360 | 2.4 |
| 70.0 | | 4.704 | 33.223 | 26.299 | 0.1831 | 6.194 | 2.0 |
| 80.0 | | 4.641 | 33.289 | 26.359 | 0.1995 | 6.059 | 1.7 |
| 90.0 | | 4.668 | 33.332 | 26.389 | 0.2154 | 6.029 | 1.6 |
| 100.0 | | 4.728 | 33.379 | 26.420 | 0.2311 | 5.904 | 1.5 |
| 110.0 | | 4.876 | 33.438 | 26.451 | 0.2465 | 5.822 | 1.3 |
| 120.0 | | 5.060 | 33.500 | 26.479 | 0.2617 | 5.684 | 1.3 |
| 130.0 | | 5.353 | 33.588 | 26.516 | 0.2766 | 5.475 | 1.5 |
| 140.0 | | 5.619 | 33.672 | 26.550 | 0.2912 | 5.022 | 1.4 |
| 150.0 | | 5.964 | 33.786 | 26.598 | 0.3054 | 4.670 | 1.5 |
| 160.0 | | 6.085 | 33.827 | 26.615 | 0.3193 | 4.443 | 1.6 |
| 170.0 | | 6.238 | 33.881 | 26.638 | 0.3331 | 4.278 | 1.6 |
| 179.0 | | 6.257 | 33.888 | 26.641 | 0.3454 | 4.159 | 1.7 |



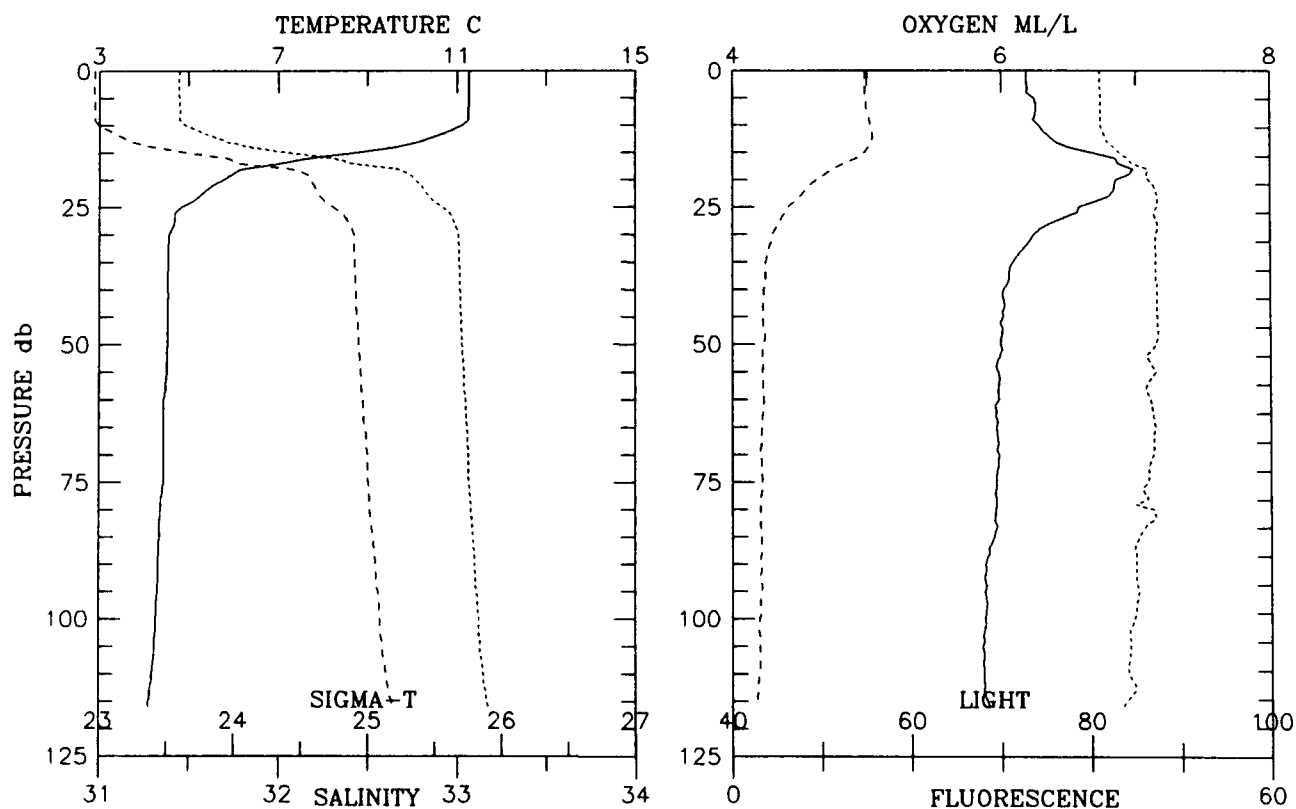
Cruise EN196 Consecutive Station # 187 Depth m:165 Time: 1989-06-10 04:43
 Position: 41° 46.29'N 69° 34.13'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.797 | 31.265 | 23.904 | 0.0000 | 6.443 | 19.6 |
| 10.0 | | 7.786 | 32.030 | 24.973 | 0.0387 | 7.113 | 21.4 |
| 20.0 | | 5.179 | 32.457 | 25.640 | 0.0629 | 6.837 | 7.4 |
| 30.0 | | 4.336 | 32.560 | 25.812 | 0.0849 | 6.671 | 4.7 |
| 40.0 | | 4.029 | 32.587 | 25.864 | 0.1059 | 6.559 | 2.9 |
| 50.0 | | 3.691 | 32.655 | 25.951 | 0.1262 | 6.460 | 2.1 |
| 60.0 | | 3.599 | 32.664 | 25.967 | 0.1460 | 6.384 | 2.0 |
| 70.0 | | 3.962 | 32.754 | 26.004 | 0.1657 | 6.269 | 2.0 |
| 80.0 | | 3.970 | 32.789 | 26.031 | 0.1850 | 6.171 | 2.0 |
| 90.0 | | 4.029 | 32.820 | 26.049 | 0.2041 | 6.106 | 2.1 |
| 100.0 | | 4.024 | 32.830 | 26.058 | 0.2231 | 6.107 | 2.0 |
| 110.0 | | 4.057 | 32.866 | 26.083 | 0.2420 | 6.070 | 2.0 |
| 120.0 | | 4.128 | 32.917 | 26.117 | 0.2606 | 6.002 | 2.0 |
| 130.0 | | 4.186 | 32.973 | 26.155 | 0.2787 | 5.935 | 2.0 |
| 140.0 | | 4.259 | 33.010 | 26.177 | 0.2967 | 5.906 | 2.0 |
| 150.0 | | 4.433 | 33.128 | 26.253 | 0.3142 | 5.803 | 1.9 |
| 153.0 | | 4.454 | 33.141 | 26.261 | 0.3194 | 5.784 | 1.8 |



Cruise EN196 Consecutive Station # 188 Depth m:124 Time: 1989-06-10 05:59
 Position: 41° 46.29'N 69° 34.13'W Depth Deck Offset: -0.15 Fish 1

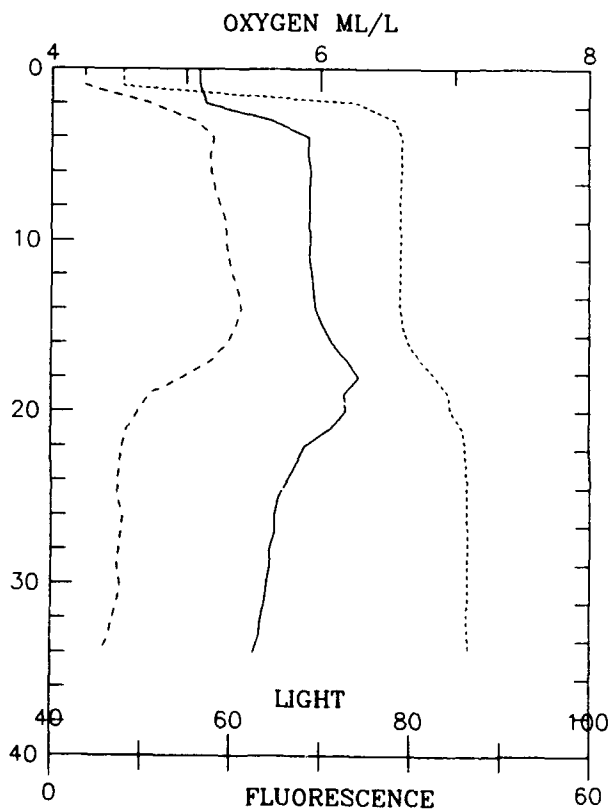
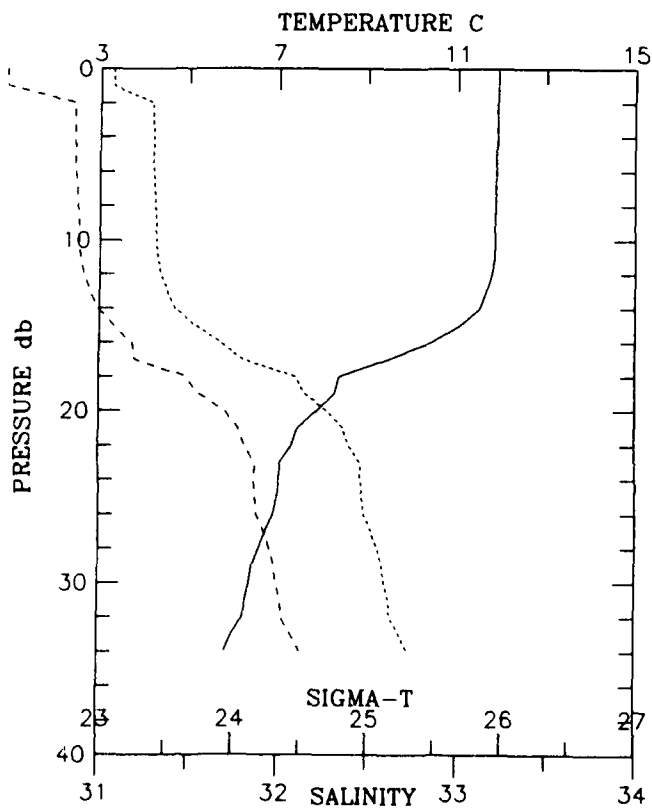
| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.267 | 30.974 | 23.596 | 0.0000 | 6.190 | 14.8 | 81.0 |
| 10.0 | | 11.120 | 30.999 | 23.642 | 0.0424 | 6.278 | 15.4 | 81.1 |
| 20.0 | | 5.766 | 32.181 | 25.354 | 0.0765 | 6.853 | 9.4 | 86.4 |
| 30.0 | | 4.564 | 32.421 | 25.678 | 0.1004 | 6.246 | 4.4 | 87.2 |
| 40.0 | | 4.537 | 32.433 | 25.690 | 0.1228 | 6.018 | 3.5 | 87.3 |
| 50.0 | | 4.526 | 32.449 | 25.704 | 0.1452 | 5.999 | 3.5 | 87.2 |
| 60.0 | | 4.446 | 32.473 | 25.731 | 0.1674 | 5.979 | 3.5 | 86.6 |
| 70.0 | | 4.443 | 32.498 | 25.751 | 0.1893 | 5.979 | 3.1 | 86.9 |
| 80.0 | | 4.374 | 32.511 | 25.769 | 0.2111 | 5.956 | 3.1 | 87.0 |
| 90.0 | | 4.328 | 32.543 | 25.799 | 0.2327 | 5.881 | 3.1 | 84.9 |
| 100.0 | | 4.267 | 32.570 | 25.827 | 0.2540 | 5.877 | 3.0 | 84.7 |
| 110.0 | | 4.182 | 32.602 | 25.861 | 0.2750 | 5.868 | 2.9 | 84.1 |
| 116.0 | | 4.108 | 32.636 | 25.895 | 0.2874 | 5.904 | 2.7 | 83.4 |



Cruise EN196 Consecutive Station # 189 Depth m:37 Time: 1989-06-10 07:24
 Position: 41° 42.38'N 69° 49.71'W Depth Deck Offset: -0.15 Fish 1

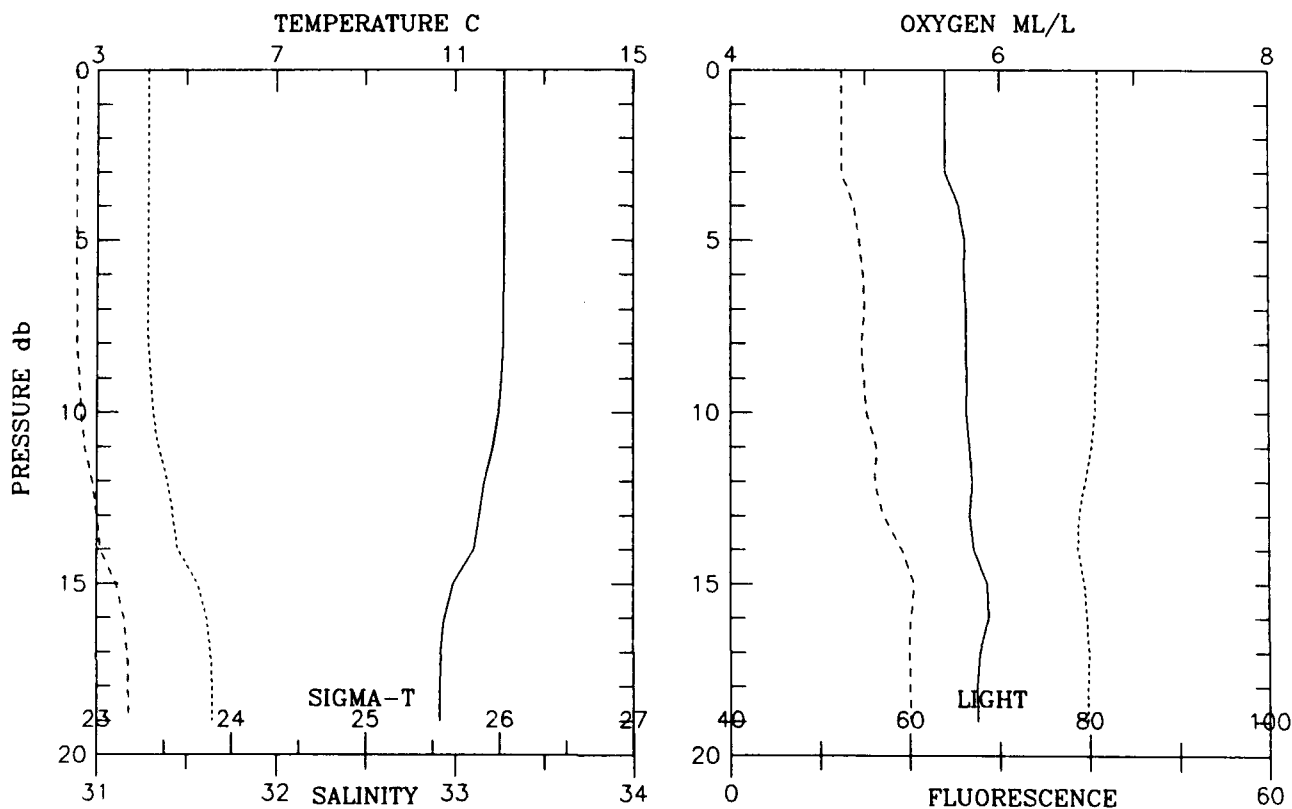
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 11.910 | 30.478 | 23.096 | 0.0000 | 5.101 | 3.7 |
| 2.0 | | 11.896 | 30.859 | 23.394 | 0.0093 | 5.150 | 11.0 |
| 4.0 | | 11.888 | 30.860 | 23.397 | 0.0182 | 5.916 | 18.1 |
| 6.0 | | 11.881 | 30.865 | 23.402 | 0.0271 | 5.931 | 17.9 |
| 8.0 | | 11.863 | 30.877 | 23.414 | 0.0359 | 5.922 | 18.9 |
| 10.0 | | 11.851 | 30.884 | 23.422 | 0.0448 | 5.928 | 19.5 |
| 12.0 | | 11.785 | 30.909 | 23.453 | 0.0536 | 5.939 | 20.2 |
| 14.0 | | 11.517 | 30.992 | 23.566 | 0.0622 | 5.967 | 21.2 |
| 16.0 | | 10.424 | 31.181 | 23.902 | 0.0705 | 6.087 | 19.7 |
| 18.0 | | 8.366 | 31.485 | 24.462 | 0.0780 | 6.289 | 14.7 |
| 20.0 | | 7.875 | 31.701 | 24.702 | 0.0846 | 6.190 | 9.7 |
| 22.0 | | 7.321 | 31.815 | 24.868 | 0.0908 | 5.888 | 8.0 |
| 24.0 | | 7.021 | 31.865 | 24.948 | 0.0968 | 5.758 | 7.4 |
| 26.0 | | 6.896 | 31.882 | 24.977 | 0.1026 | 5.660 | 8.0 |
| 28.0 | | 6.578 | 31.955 | 25.076 | 0.1084 | 5.624 | 7.5 |
| 30.0 | | 6.384 | 31.995 | 25.131 | 0.1140 | 5.606 | 7.7 |
| 32.0 | | 6.246 | 32.026 | 25.174 | 0.1195 | 5.567 | 6.9 |
| 34.0 | | 5.836 | 32.132 | 25.307 | 0.1248 | 5.505 | 5.6 |



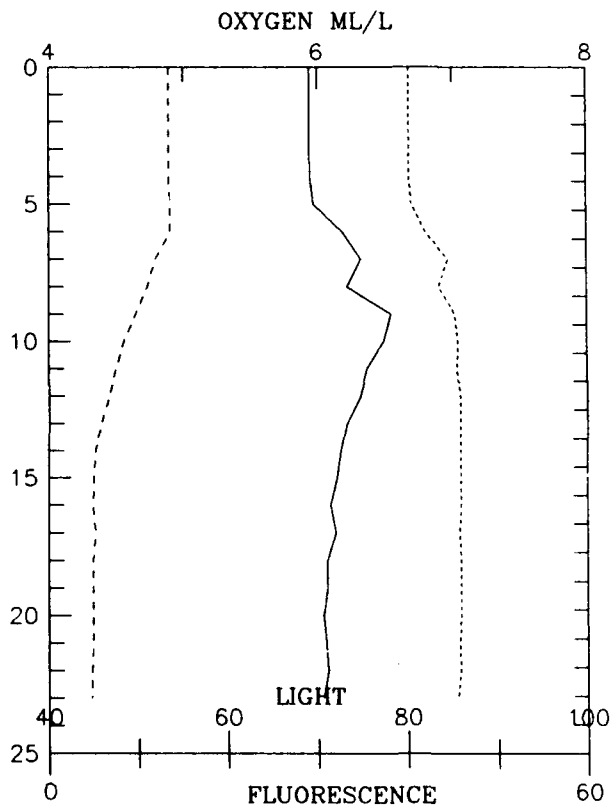
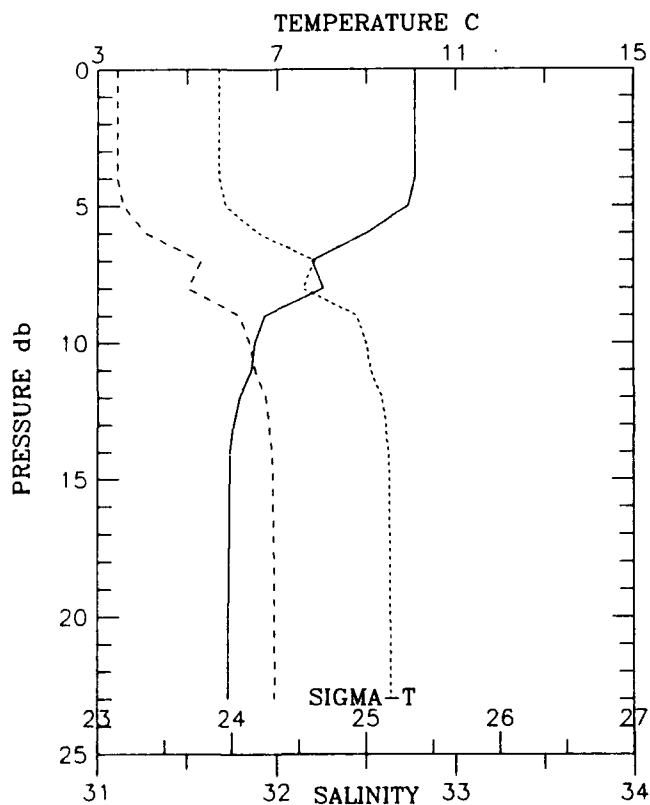
Cruise EN196 Consecutive Station # 190 Depth m:21 Time: 1989-06-10 08:32
 Position: 41° 40.00'N 69° 53.30'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.100 | 30.887 | 23.379 | 0.0000 | 5.597 | 12.4 | 80.9 |
| 2.0 | E | 12.100 | 30.886 | 23.378 | 0.0089 | 5.598 | 12.4 | 80.9 |
| 4.0 | | 12.095 | 30.886 | 23.379 | 0.0178 | 5.702 | 13.8 | 81.0 |
| 6.0 | | 12.095 | 30.886 | 23.379 | 0.0267 | 5.739 | 14.8 | 80.9 |
| 8.0 | | 12.088 | 30.888 | 23.382 | 0.0356 | 5.756 | 14.6 | 80.9 |
| 10.0 | | 11.986 | 30.912 | 23.419 | 0.0445 | 5.756 | 15.2 | 80.6 |
| 12.0 | | 11.665 | 30.976 | 23.527 | 0.0533 | 5.798 | 16.1 | 79.5 |
| 14.0 | | 11.426 | 31.020 | 23.604 | 0.0618 | 5.806 | 19.1 | 78.7 |
| 16.0 | | 10.774 | 31.155 | 23.822 | 0.0701 | 5.919 | 20.1 | 79.7 |
| 18.0 | | 10.662 | 31.177 | 23.859 | 0.0781 | 5.830 | 20.0 | 79.8 |
| 19.0 | | 10.656 | 31.179 | 23.861 | 0.0821 | 5.838 | 20.1 | 79.8 |



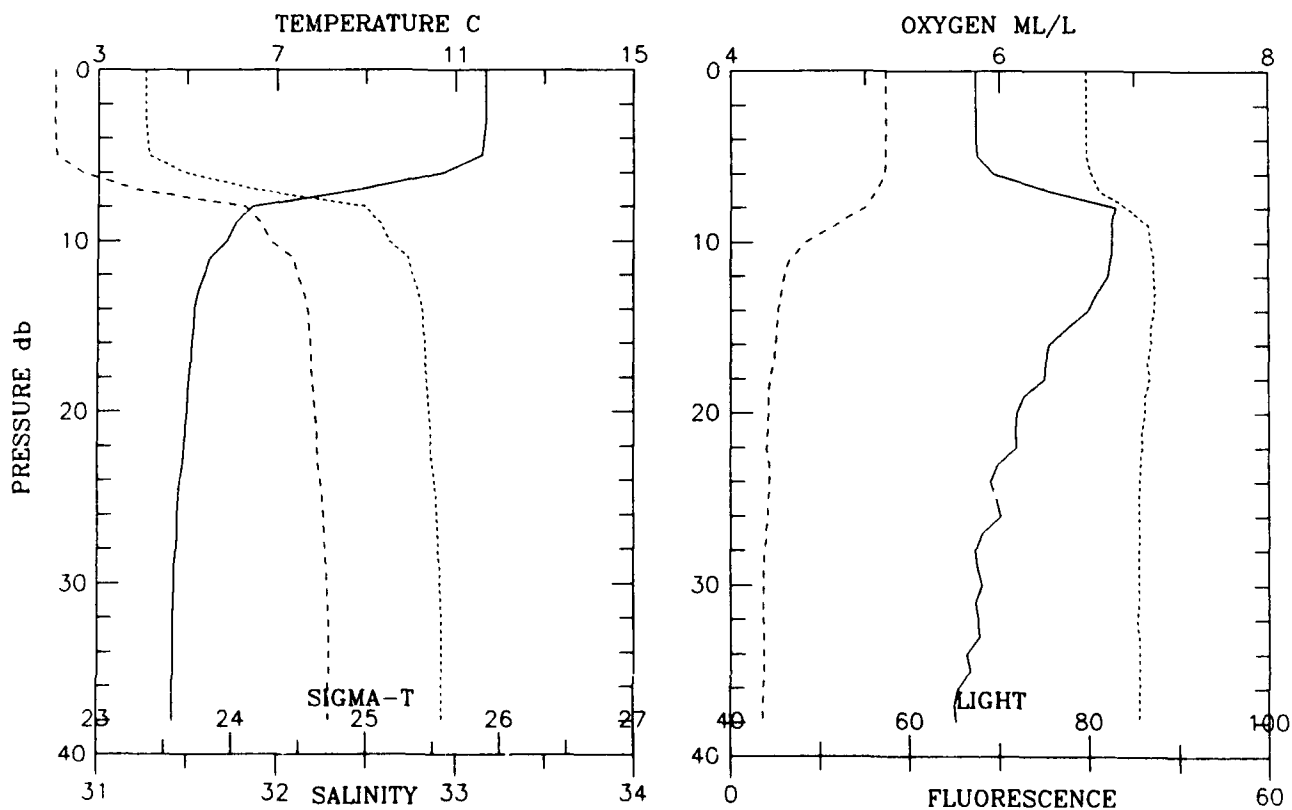
Cruise EN196 Consecutive Station # 191 Depth m:25 Time: 1989-06-10 11:08
 Position: 41° 58.80'N 69° 58.80'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.083 | 31.111 | 23.904 | 0.0000 | 5.943 | 13.4 | 80.2 |
| 2.0 | E | 10.083 | 31.110 | 23.903 | 0.0079 | 5.944 | 13.4 | 80.2 |
| 4.0 | | 10.083 | 31.109 | 23.903 | 0.0158 | 5.946 | 13.4 | 80.2 |
| 6.0 | | 9.014 | 31.273 | 24.199 | 0.0235 | 6.184 | 13.6 | 82.0 |
| 8.0 | | 8.039 | 31.508 | 24.527 | 0.0303 | 6.220 | 11.0 | 83.5 |
| 10.0 | | 6.514 | 31.849 | 25.001 | 0.0364 | 6.491 | 8.4 | 85.6 |
| 12.0 | | 6.153 | 31.937 | 25.114 | 0.0421 | 6.318 | 6.7 | 85.8 |
| 14.0 | | 5.964 | 31.974 | 25.167 | 0.0476 | 6.168 | 5.2 | 85.9 |
| 16.0 | | 5.940 | 31.980 | 25.174 | 0.0531 | 6.095 | 4.9 | 85.9 |
| 18.0 | | 5.927 | 31.985 | 25.180 | 0.0586 | 6.070 | 4.9 | 85.9 |
| 20.0 | | 5.920 | 31.986 | 25.181 | 0.0640 | 6.039 | 4.9 | 85.9 |
| 22.0 | | 5.912 | 31.989 | 25.185 | 0.0695 | 6.076 | 4.8 | 85.8 |
| 23.0 | | 5.912 | 31.987 | 25.183 | 0.0722 | 6.038 | 4.8 | 85.5 |



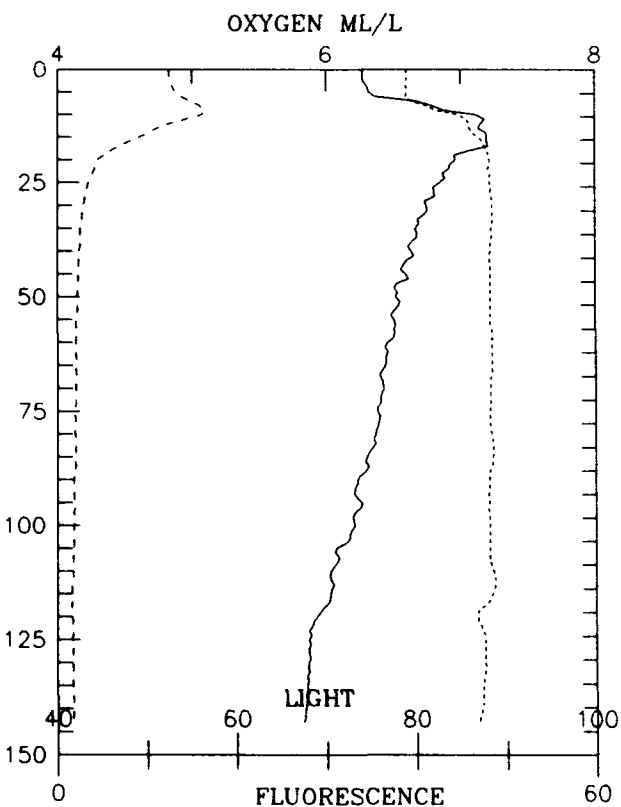
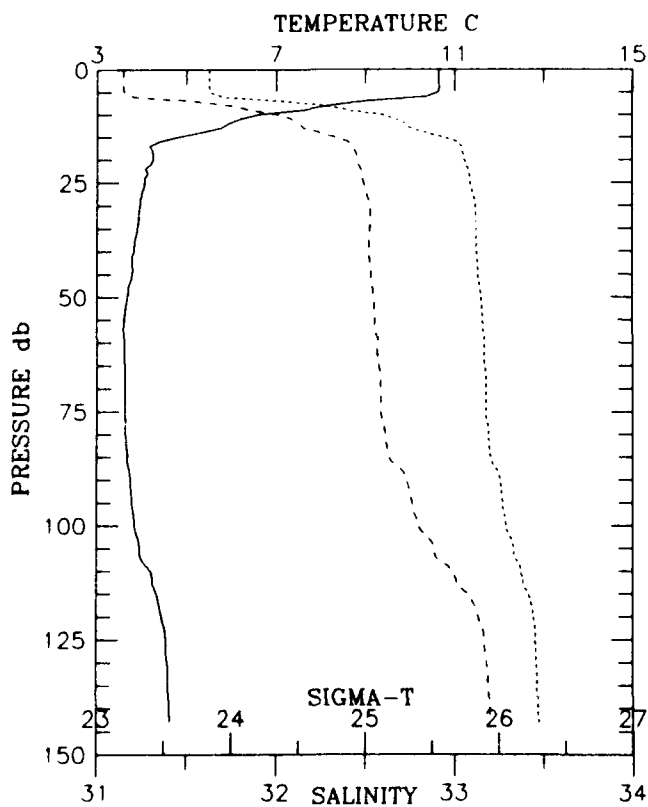
Cruise EN196 Consecutive Station # 192 Depth m:41 Time: 1989-06-10 11:43
 Position: 41° 59.50'N 69° 56.70'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 11.671 | 30.759 | 23.357 | 0.0000 | 5.827 | 17.4 | 79.7 |
| 2.0 | E | 11.671 | 30.759 | 23.357 | 0.0090 | 5.829 | 17.4 | 79.7 |
| 4.0 | | 11.636 | 30.762 | 23.366 | 0.0179 | 5.827 | 17.3 | 79.7 |
| 6.0 | | 10.720 | 30.911 | 23.641 | 0.0267 | 5.956 | 17.2 | 80.2 |
| 8.0 | | 6.467 | 31.821 | 24.984 | 0.0339 | 6.861 | 15.0 | 84.2 |
| 10.0 | | 5.882 | 31.962 | 25.167 | 0.0396 | 6.838 | 8.3 | 86.8 |
| 12.0 | | 5.396 | 32.119 | 25.348 | 0.0448 | 6.805 | 6.0 | 87.2 |
| 14.0 | | 5.159 | 32.172 | 25.417 | 0.0499 | 6.658 | 5.3 | 87.2 |
| 16.0 | | 5.100 | 32.188 | 25.436 | 0.0549 | 6.363 | 5.0 | 86.8 |
| 18.0 | | 5.042 | 32.197 | 25.449 | 0.0598 | 6.337 | 4.4 | 86.7 |
| 20.0 | | 4.988 | 32.214 | 25.469 | 0.0647 | 6.126 | 4.2 | 86.2 |
| 22.0 | | 4.940 | 32.224 | 25.481 | 0.0696 | 6.121 | 4.0 | 85.8 |
| 24.0 | | 4.848 | 32.246 | 25.509 | 0.0745 | 5.935 | 4.3 | 85.6 |
| 26.0 | | 4.785 | 32.262 | 25.529 | 0.0793 | 6.004 | 4.1 | 85.5 |
| 28.0 | | 4.756 | 32.269 | 25.537 | 0.0841 | 5.819 | 3.8 | 85.5 |
| 30.0 | | 4.713 | 32.283 | 25.553 | 0.0888 | 5.870 | 3.7 | 85.5 |
| 32.0 | | 4.698 | 32.290 | 25.560 | 0.0936 | 5.843 | 3.6 | 85.3 |
| 34.0 | | 4.688 | 32.293 | 25.563 | 0.0983 | 5.754 | 3.7 | 85.5 |
| 36.0 | | 4.686 | 32.294 | 25.564 | 0.1030 | 5.697 | 3.7 | 85.6 |
| 38.0 | | 4.687 | 32.294 | 25.564 | 0.1077 | 5.679 | 3.6 | 85.5 |



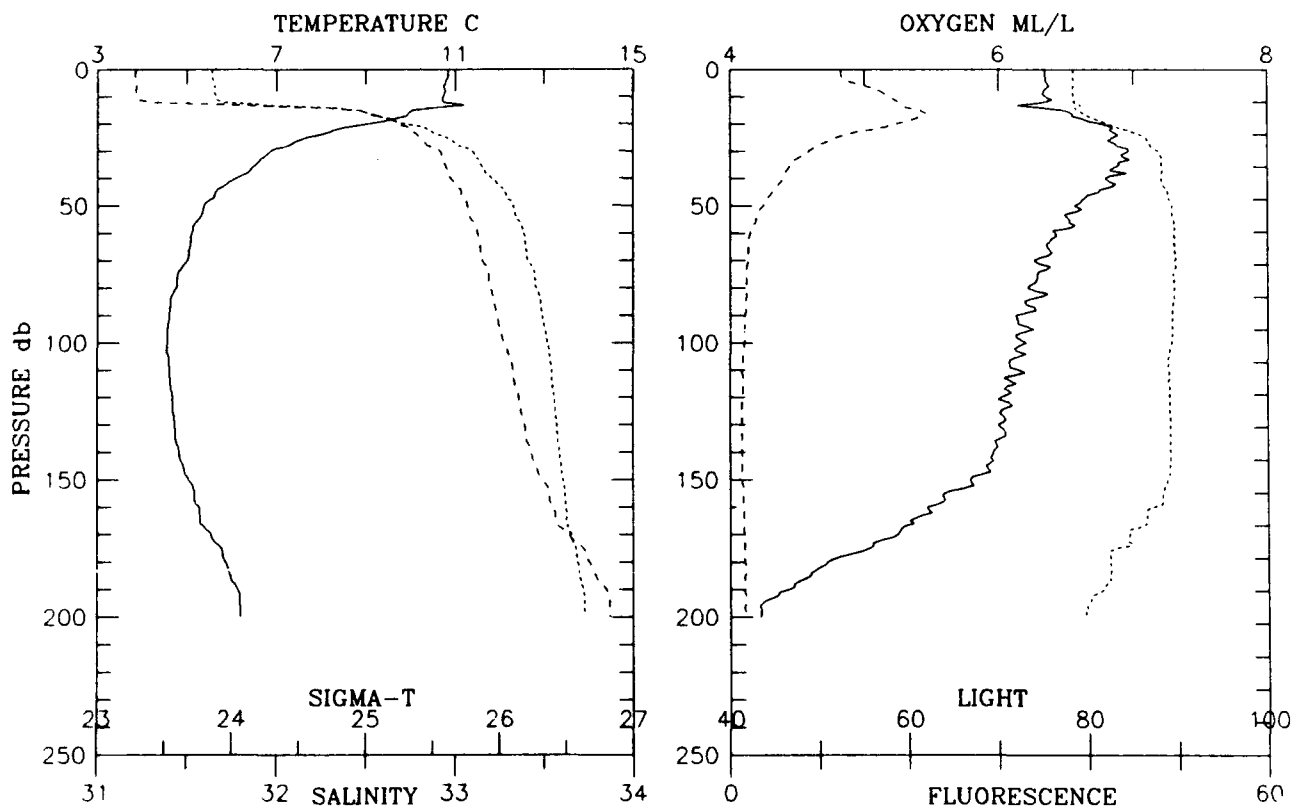
Cruise EN196 Consecutive Station # 193 Depth m:153 Time: 1989-06-10 13:15
 Position: 42° 1.10'N 69° 48.20'W Depth Deck Offset: -0.15 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.646 | 31.146 | 23.837 | 0.0000 | 6.272 | 12.5 |
| 10.0 | | 6.584 | 32.019 | 25.125 | 0.0371 | 7.119 | 16.1 |
| 20.0 | | 4.247 | 32.456 | 25.739 | 0.0611 | 6.963 | 4.5 |
| 30.0 | | 3.958 | 32.526 | 25.823 | 0.0826 | 6.745 | 2.8 |
| 40.0 | | 3.823 | 32.524 | 25.834 | 0.1037 | 6.639 | 2.4 |
| 50.0 | | 3.687 | 32.547 | 25.865 | 0.1246 | 6.516 | 2.2 |
| 60.0 | | 3.615 | 32.567 | 25.888 | 0.1452 | 6.454 | 2.0 |
| 70.0 | | 3.627 | 32.585 | 25.901 | 0.1656 | 6.426 | 2.0 |
| 80.0 | | 3.645 | 32.612 | 25.921 | 0.1859 | 6.365 | 1.9 |
| 90.0 | | 3.758 | 32.735 | 26.008 | 0.2059 | 6.229 | 1.8 |
| 100.0 | | 3.853 | 32.800 | 26.051 | 0.2251 | 6.208 | 1.8 |
| 110.0 | | 4.210 | 32.982 | 26.160 | 0.2436 | 6.029 | 1.7 |
| 120.0 | | 4.454 | 33.134 | 26.255 | 0.2611 | 5.930 | 1.6 |
| 130.0 | | 4.591 | 33.181 | 26.278 | 0.2781 | 5.867 | 1.7 |
| 140.0 | | 4.618 | 33.197 | 26.288 | 0.2950 | 5.842 | 1.7 |
| 143.0 | | 4.636 | 33.211 | 26.297 | 0.3000 | 5.826 | 1.7 |



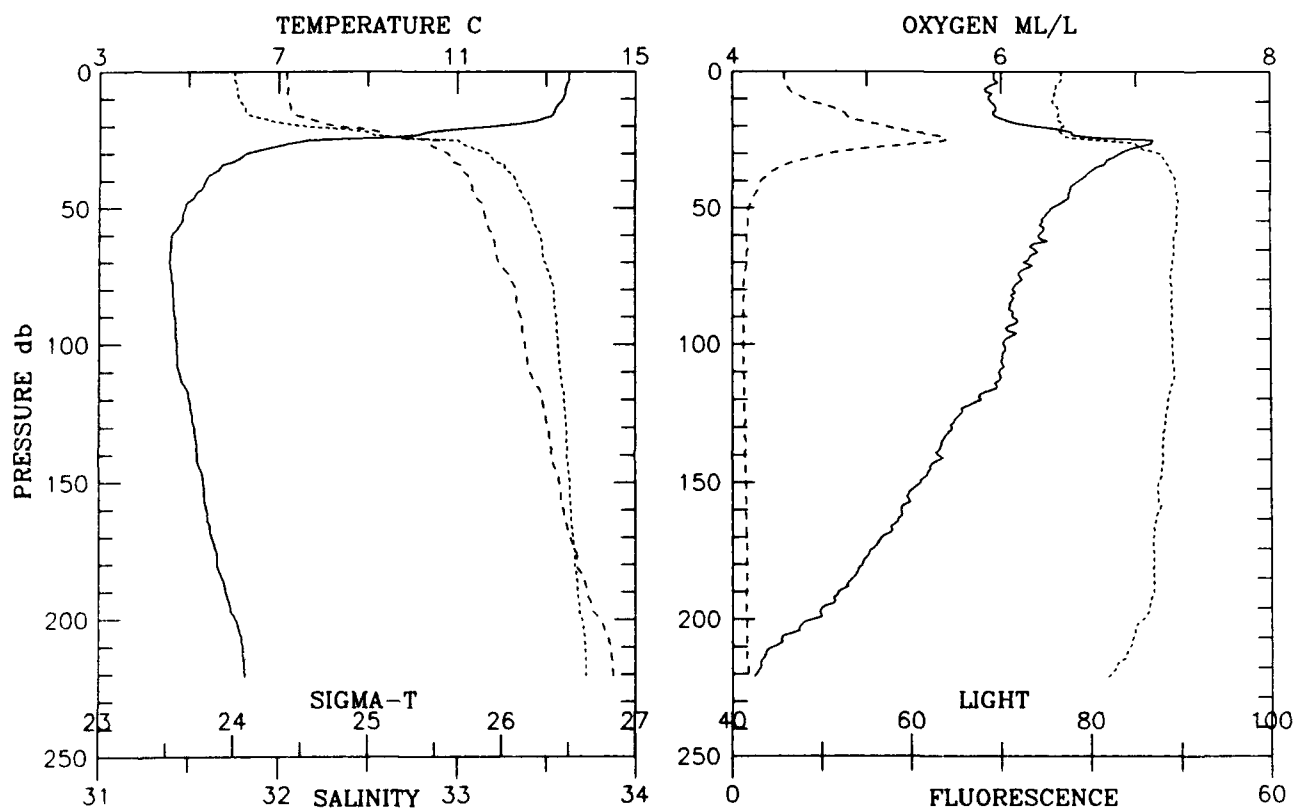
Cruise EN196 Consecutive Station # 194 Depth m:206 Time: 1989-06-10 14:40
 Position: 42° 2.90'W 69° 41.40'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 10.842 | 31.213 | 23.856 | 0.0000 | 6.346 | 12.4 | 78.3 |
| 10.0 | 10.723 | 31.230 | 23.889 | 0.0399 | 6.357 | 17.7 | 78.4 |
| 20.0 | 9.028 | 32.680 | 25.298 | 0.0720 | 6.770 | 18.5 | 82.2 |
| 30.0 | 6.860 | 32.916 | 25.796 | 0.0955 | 6.964 | 8.8 | 87.8 |
| 40.0 | 6.108 | 32.971 | 25.936 | 0.1163 | 6.794 | 5.8 | 88.1 |
| 50.0 | 5.378 | 33.068 | 26.101 | 0.1355 | 6.566 | 3.7 | 89.3 |
| 60.0 | 5.103 | 33.126 | 26.178 | 0.1537 | 6.424 | 2.2 | 89.5 |
| 70.0 | 5.005 | 33.152 | 26.210 | 0.1714 | 6.265 | 1.9 | 89.6 |
| 80.0 | 4.761 | 33.192 | 26.269 | 0.1885 | 6.216 | 1.8 | 89.5 |
| 90.0 | 4.608 | 33.231 | 26.316 | 0.2051 | 6.130 | 1.6 | 89.4 |
| 100.0 | 4.553 | 33.271 | 26.354 | 0.2214 | 6.198 | 1.5 | 89.2 |
| 110.0 | 4.622 | 33.327 | 26.391 | 0.2374 | 6.151 | 1.3 | 88.9 |
| 120.0 | 4.683 | 33.357 | 26.408 | 0.2532 | 6.019 | 1.3 | 89.0 |
| 130.0 | 4.731 | 33.390 | 26.429 | 0.2688 | 5.998 | 1.3 | 89.1 |
| 140.0 | 4.831 | 33.427 | 26.447 | 0.2842 | 5.959 | 1.3 | 89.1 |
| 150.0 | 5.046 | 33.491 | 26.474 | 0.2994 | 5.786 | 1.3 | 88.7 |
| 160.0 | 5.282 | 33.554 | 26.497 | 0.3144 | 5.468 | 1.5 | 87.0 |
| 170.0 | 5.543 | 33.641 | 26.535 | 0.3292 | 5.242 | 1.5 | 84.5 |
| 180.0 | 5.867 | 33.752 | 26.583 | 0.3436 | 4.723 | 1.6 | 82.3 |
| 190.0 | 6.143 | 33.848 | 26.624 | 0.3576 | 4.434 | 1.6 | 81.6 |
| 200.0 | 6.202 | 33.867 | 26.632 | 0.3713 | 4.214 | 1.7 | 79.2 |



Cruise EN196 Consecutive Station # 195 Depth m:228 Time: 1989-06-10 16:02
 Position: 42° 4.80'W 69° 34.90'W Depth Deck Offset: -0.10 Fish 1

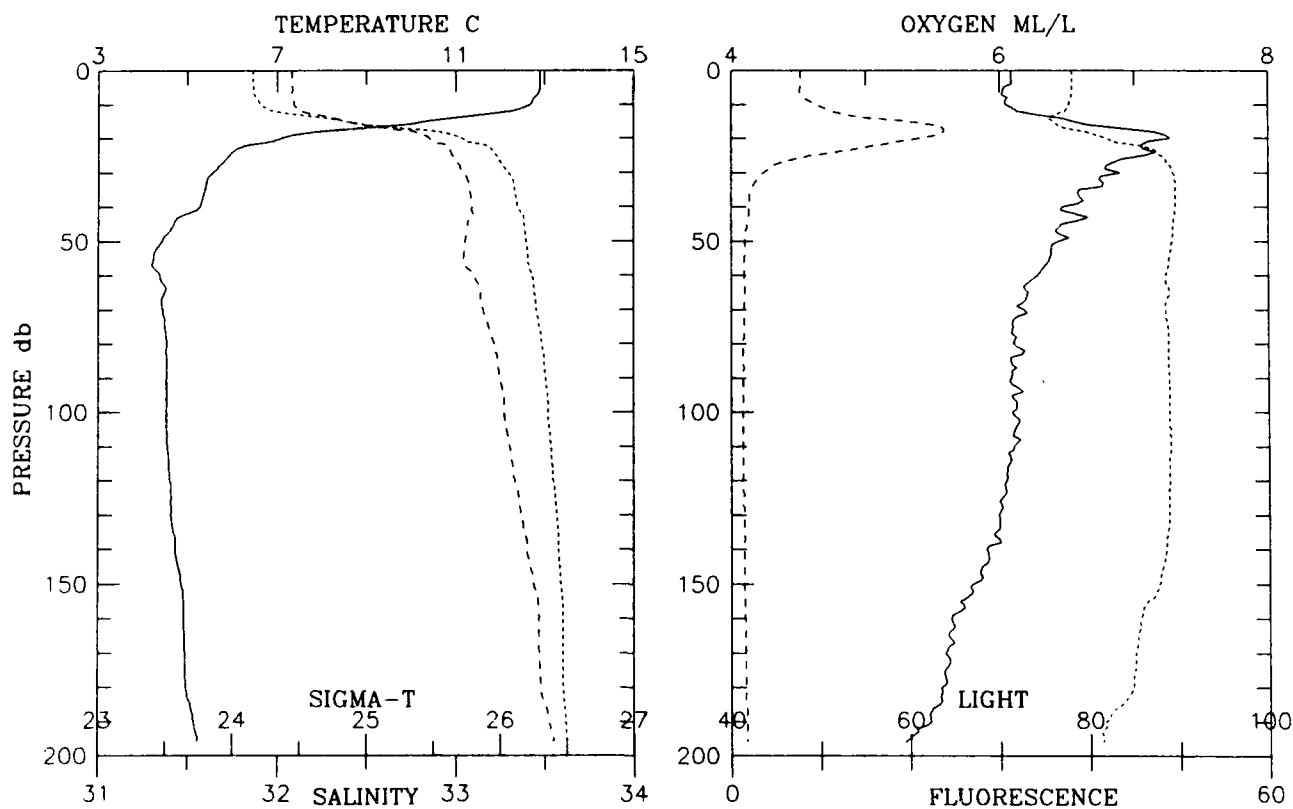
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%light) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 13.506 | 32.044 | 24.004 | 0.0000 | 5.948 | 5.8 |
| 10.0 | | 13.380 | 32.054 | 24.037 | 0.0385 | 5.910 | 8.1 |
| 20.0 | | 11.837 | 32.316 | 24.536 | 0.0756 | 6.241 | 17.2 |
| 30.0 | | 6.258 | 32.950 | 25.901 | 0.1008 | 6.878 | 10.5 |
| 40.0 | | 5.356 | 33.068 | 26.103 | 0.1202 | 6.574 | 3.1 |
| 50.0 | | 4.919 | 33.146 | 26.214 | 0.1382 | 6.374 | 1.8 |
| 60.0 | | 4.625 | 33.202 | 26.291 | 0.1553 | 6.278 | 1.6 |
| 70.0 | | 4.574 | 33.238 | 26.325 | 0.1719 | 6.164 | 1.6 |
| 80.0 | | 4.654 | 33.330 | 26.390 | 0.1880 | 6.086 | 1.3 |
| 90.0 | | 4.689 | 33.356 | 26.406 | 0.2038 | 6.081 | 1.3 |
| 100.0 | | 4.732 | 33.380 | 26.421 | 0.2194 | 6.015 | 1.2 |
| 110.0 | | 4.794 | 33.410 | 26.438 | 0.2348 | 5.981 | 1.2 |
| 120.0 | | 5.011 | 33.476 | 26.466 | 0.2501 | 5.852 | 1.3 |
| 130.0 | | 5.128 | 33.512 | 26.481 | 0.2652 | 5.631 | 1.3 |
| 140.0 | | 5.197 | 33.531 | 26.489 | 0.2801 | 5.534 | 1.4 |
| 150.0 | | 5.316 | 33.571 | 26.506 | 0.2950 | 5.398 | 1.4 |
| 160.0 | | 5.405 | 33.596 | 26.515 | 0.3098 | 5.255 | 1.4 |
| 170.0 | | 5.522 | 33.634 | 26.532 | 0.3245 | 5.103 | 1.5 |
| 180.0 | | 5.640 | 33.672 | 26.548 | 0.3390 | 4.967 | 1.6 |
| 190.0 | | 5.832 | 33.727 | 26.568 | 0.3534 | 4.782 | 1.5 |
| 200.0 | | 6.048 | 33.801 | 26.600 | 0.3676 | 4.593 | 1.6 |
| 210.0 | | 6.214 | 33.861 | 26.625 | 0.3815 | 4.296 | 1.6 |
| 220.0 | | 6.253 | 33.874 | 26.631 | 0.3953 | 4.172 | 1.7 |
| 221.0 | | 6.255 | 33.874 | 26.631 | 0.3967 | 4.157 | 1.7 |



Cruise EN196 Consecutive Station # 196 Depth m:210 Time: 1989-06-10 18:46
 Position: 42° 7.77'N 69° 22.22'W Depth Deck Offset: -0.10 Fish 1

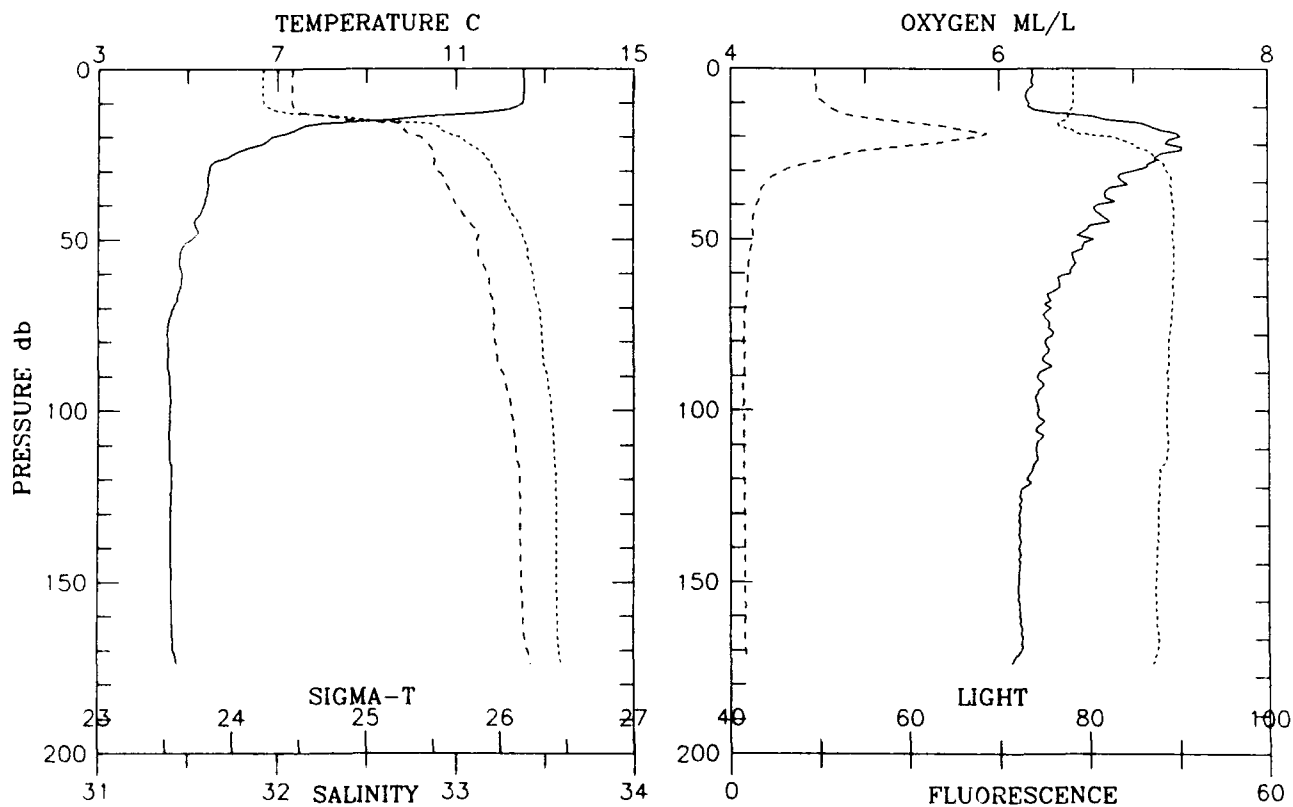
| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|

| | | | | | | | |
|-------|---|--------|--------|--------|--------|-------|------|
| 0.0 | E | 12.902 | 32.082 | 24.153 | 0.0000 | 6.087 | 7.8 |
| 10.0 | | 12.686 | 32.092 | 24.203 | 0.0371 | 6.047 | 9.5 |
| 20.0 | | 7.090 | 32.851 | 25.714 | 0.0672 | 7.269 | 21.0 |
| 30.0 | | 5.561 | 33.041 | 26.058 | 0.0872 | 6.893 | 3.6 |
| 40.0 | | 5.278 | 33.092 | 26.132 | 0.1057 | 6.469 | 1.9 |
| 50.0 | | 4.423 | 33.053 | 26.194 | 0.1235 | 6.433 | 1.5 |
| 60.0 | | 4.377 | 33.105 | 26.240 | 0.1410 | 6.282 | 1.4 |
| 70.0 | | 4.436 | 33.153 | 26.272 | 0.1580 | 6.181 | 1.4 |
| 80.0 | | 4.537 | 33.215 | 26.311 | 0.1747 | 6.102 | 1.3 |
| 90.0 | | 4.534 | 33.249 | 26.338 | 0.1911 | 6.082 | 1.3 |
| 100.0 | | 4.536 | 33.272 | 26.356 | 0.2073 | 6.091 | 1.3 |
| 110.0 | | 4.559 | 33.303 | 26.379 | 0.2233 | 6.104 | 1.3 |
| 120.0 | | 4.608 | 33.331 | 26.396 | 0.2392 | 6.051 | 1.3 |
| 130.0 | | 4.637 | 33.368 | 26.422 | 0.2549 | 5.993 | 1.4 |
| 140.0 | | 4.733 | 33.401 | 26.437 | 0.2703 | 5.898 | 1.4 |
| 150.0 | | 4.857 | 33.438 | 26.453 | 0.2857 | 5.790 | 1.4 |
| 160.0 | | 4.930 | 33.466 | 26.467 | 0.3009 | 5.637 | 1.5 |
| 170.0 | | 4.945 | 33.470 | 26.469 | 0.3160 | 5.590 | 1.6 |
| 180.0 | | 4.972 | 33.478 | 26.472 | 0.3312 | 5.560 | 1.6 |
| 190.0 | | 5.145 | 33.526 | 26.490 | 0.3463 | 5.483 | 1.7 |
| 196.0 | | 5.222 | 33.548 | 26.499 | 0.3552 | 5.290 | 1.7 |



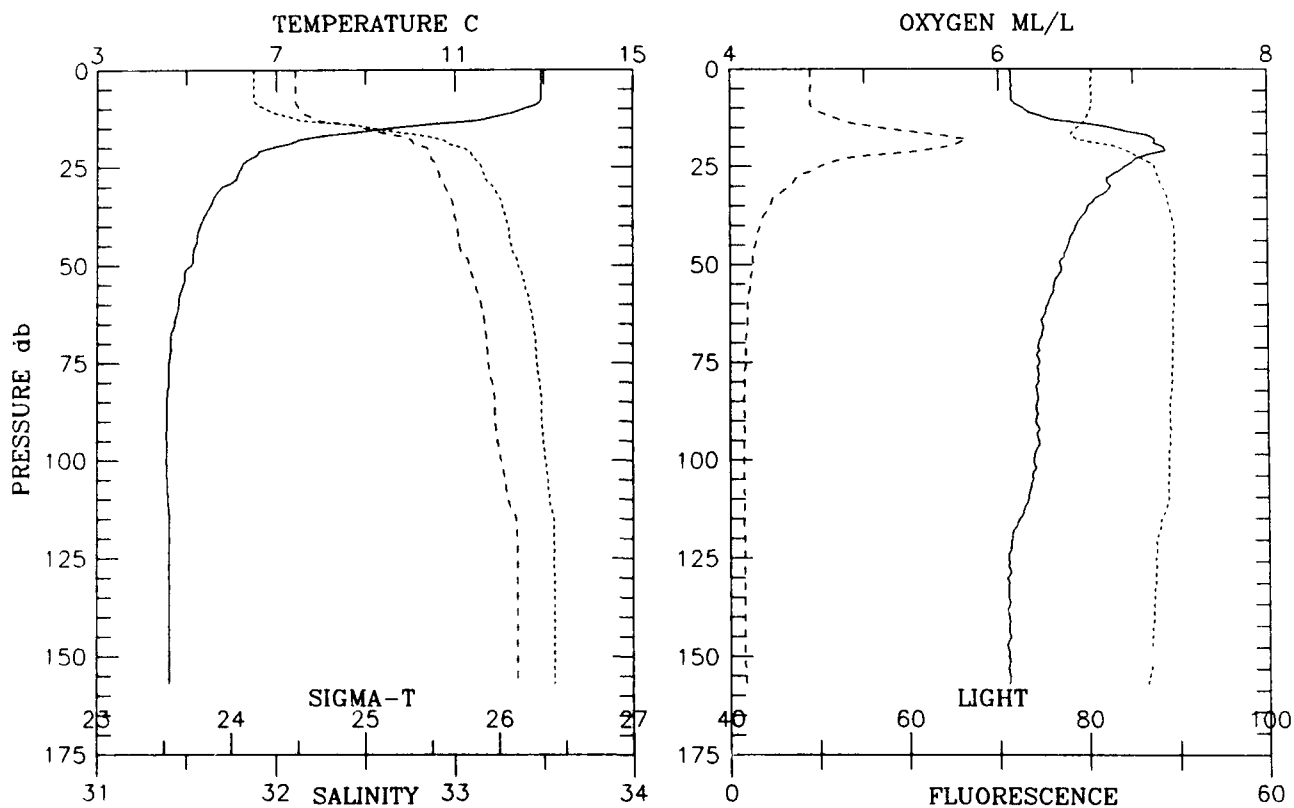
Cruise EN196 Consecutive Station # 197 Depth m:198 Time: 1989-06-10 21:16
 Position: 42° 10.82'N 69° 13.10'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.527 | 32.084 | 24.226 | 0.0000 | 6.249 | 9.4 | 78.3 |
| 10.0 | | 12.506 | 32.080 | 24.227 | 0.0365 | 6.224 | 10.5 | 78.3 |
| 20.0 | | 6.873 | 32.804 | 25.707 | 0.0656 | 7.345 | 27.5 | 82.6 |
| 30.0 | | 5.469 | 32.897 | 25.955 | 0.0865 | 7.002 | 5.8 | 88.7 |
| 40.0 | | 5.361 | 33.004 | 26.052 | 0.1059 | 6.731 | 2.9 | 89.4 |
| 50.0 | | 5.080 | 33.118 | 26.175 | 0.1242 | 6.706 | 2.5 | 89.4 |
| 60.0 | | 4.887 | 33.183 | 26.247 | 0.1416 | 6.535 | 1.9 | 89.5 |
| 70.0 | | 4.699 | 33.214 | 26.293 | 0.1586 | 6.387 | 1.7 | 89.4 |
| 80.0 | | 4.560 | 33.221 | 26.313 | 0.1751 | 6.342 | 1.4 | 88.9 |
| 90.0 | | 4.588 | 33.273 | 26.351 | 0.1915 | 6.278 | 1.4 | 88.7 |
| 100.0 | | 4.604 | 33.309 | 26.378 | 0.2076 | 6.285 | 1.4 | 88.6 |
| 110.0 | | 4.599 | 33.334 | 26.399 | 0.2234 | 6.275 | 1.4 | 88.7 |
| 120.0 | | 4.640 | 33.359 | 26.414 | 0.2391 | 6.200 | 1.4 | 87.8 |
| 130.0 | | 4.631 | 33.363 | 26.418 | 0.2546 | 6.143 | 1.5 | 87.6 |
| 140.0 | | 4.631 | 33.364 | 26.419 | 0.2702 | 6.139 | 1.6 | 87.5 |
| 150.0 | | 4.647 | 33.369 | 26.422 | 0.2858 | 6.142 | 1.6 | 87.3 |
| 160.0 | | 4.663 | 33.378 | 26.427 | 0.3013 | 6.147 | 1.7 | 87.5 |
| 170.0 | | 4.689 | 33.405 | 26.446 | 0.3168 | 6.159 | 1.7 | 87.5 |
| 174.0 | | 4.771 | 33.419 | 26.448 | 0.3230 | 6.083 | 1.6 | 86.9 |



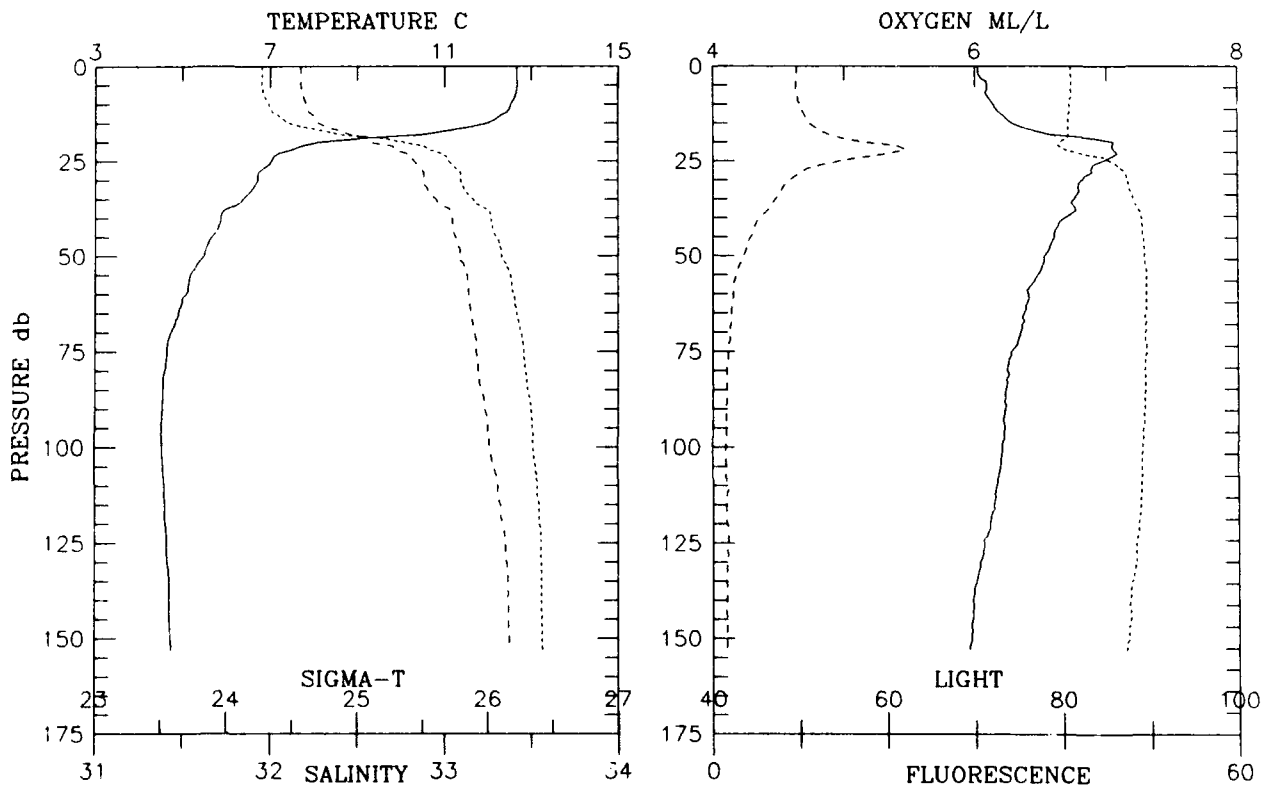
Cruise EN196 Consecutive Station # 198 Depth m:170 Time: 1989-06-10 23:19
 Position: 42° 12.75'N 69° 4.30'W Depth Deck Offset: 0.00 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 12.943 | 32.107 | 24.165 | 0.0000 | 6.090 | 9.0 | 80.4 |
| 10.0 | | 12.543 | 32.133 | 24.262 | 0.0370 | 6.187 | 9.2 | 80.3 |
| 20.0 | | 6.904 | 32.844 | 25.734 | 0.0660 | 7.229 | 24.0 | 83.4 |
| 30.0 | | 5.774 | 32.947 | 25.958 | 0.0868 | 6.838 | 6.6 | 88.2 |
| 40.0 | | 5.294 | 33.016 | 26.069 | 0.1061 | 6.574 | 3.3 | 89.5 |
| 50.0 | | 5.102 | 33.075 | 26.138 | 0.1247 | 6.456 | 2.6 | 89.5 |
| 60.0 | | 4.817 | 33.147 | 26.227 | 0.1424 | 6.363 | 1.9 | 89.5 |
| 70.0 | | 4.645 | 33.179 | 26.271 | 0.1595 | 6.294 | 1.7 | 89.4 |
| 80.0 | | 4.607 | 33.209 | 26.299 | 0.1763 | 6.293 | 1.6 | 89.2 |
| 90.0 | | 4.560 | 33.223 | 26.315 | 0.1928 | 6.269 | 1.6 | 89.0 |
| 100.0 | | 4.551 | 33.262 | 26.346 | 0.2092 | 6.251 | 1.5 | 88.9 |
| 110.0 | | 4.584 | 33.298 | 26.371 | 0.2253 | 6.217 | 1.6 | 88.8 |
| 120.0 | | 4.625 | 33.350 | 26.408 | 0.2411 | 6.091 | 1.6 | 87.5 |
| 130.0 | | 4.623 | 33.350 | 26.409 | 0.2567 | 6.054 | 1.6 | 87.3 |
| 140.0 | | 4.620 | 33.351 | 26.410 | 0.2724 | 6.067 | 1.6 | 87.1 |
| 150.0 | | 4.618 | 33.352 | 26.411 | 0.2881 | 6.064 | 1.6 | 86.8 |
| 157.0 | | 4.616 | 33.351 | 26.410 | 0.2990 | 6.067 | 1.7 | 86.5 |



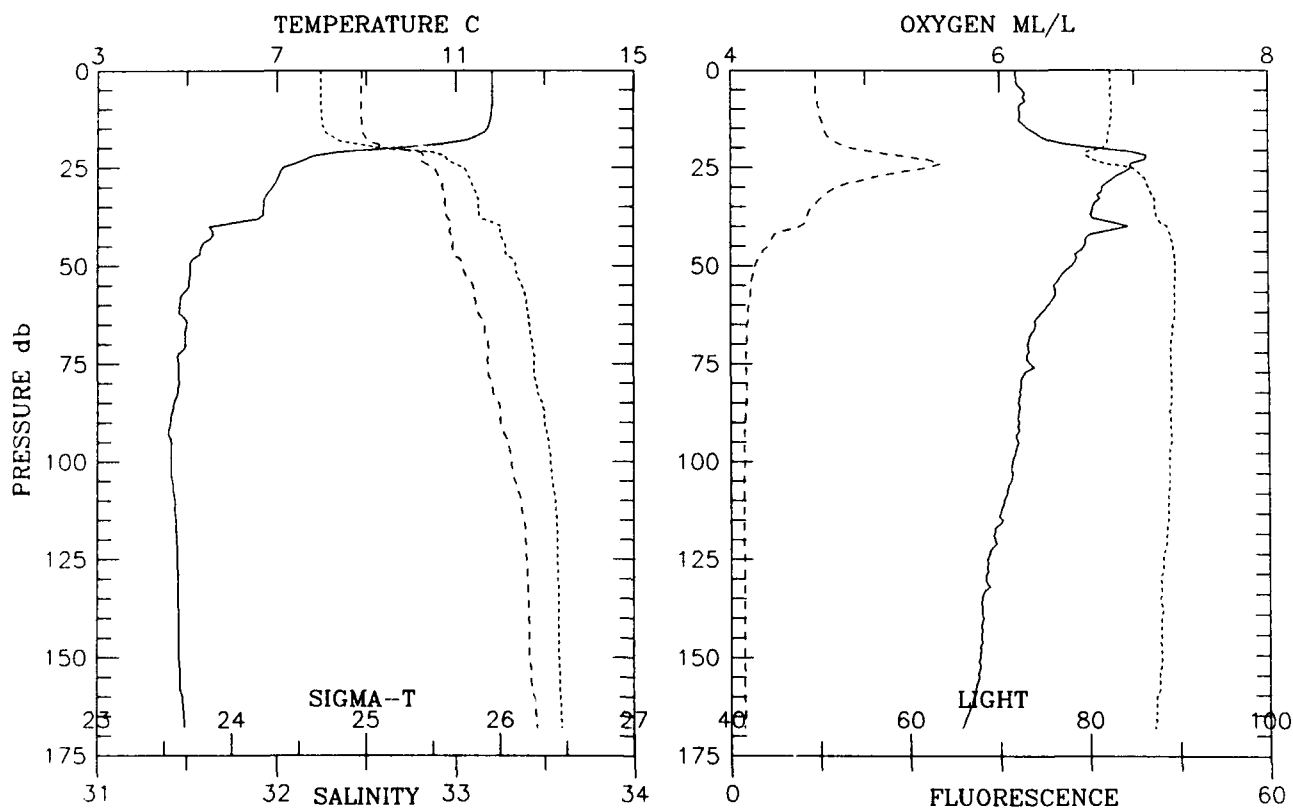
Cruise EN196 Consecutive Station # 199 Depth m:164 Time: 1989-06-11 00:21
 Position: 42° 10.00'N 68° 54.30'W Depth Deck Offset: 0.00 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNFLA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.668 | 32.177 | 24.272 | 0.0000 | 6.025 | 9.6 | 80.9 |
| 10.0 | 12.521 | 32.207 | 24.323 | 0.0360 | 6.144 | 9.9 | 80.8 |
| 20.0 | 8.113 | 32.578 | 25.356 | 0.0686 | 7.051 | 17.5 | 79.7 |
| 30.0 | 6.710 | 32.883 | 25.790 | 0.0912 | 6.811 | 8.8 | 87.4 |
| 40.0 | 5.873 | 33.045 | 26.024 | 0.1117 | 6.680 | 5.4 | 89.0 |
| 50.0 | 5.488 | 33.089 | 26.104 | 0.1306 | 6.527 | 3.5 | 89.3 |
| 60.0 | 5.083 | 33.142 | 26.193 | 0.1485 | 6.405 | 2.3 | 89.5 |
| 70.0 | 4.732 | 33.175 | 26.258 | 0.1659 | 6.345 | 1.9 | 89.4 |
| 80.0 | 4.612 | 33.195 | 26.287 | 0.1828 | 6.245 | 1.6 | 89.3 |
| 90.0 | 4.539 | 33.235 | 26.327 | 0.1994 | 6.222 | 1.5 | 89.3 |
| 100.0 | 4.542 | 33.264 | 26.349 | 0.2156 | 6.207 | 1.5 | 89.1 |
| 110.0 | 4.591 | 33.306 | 26.378 | 0.2317 | 6.156 | 1.5 | 88.9 |
| 120.0 | 4.614 | 33.335 | 26.398 | 0.2475 | 6.106 | 1.6 | 88.6 |
| 130.0 | 4.668 | 33.357 | 26.409 | 0.2632 | 6.032 | 1.6 | 88.3 |
| 140.0 | 4.710 | 33.367 | 26.413 | 0.2789 | 5.978 | 1.6 | 87.6 |
| 150.0 | 4.729 | 33.373 | 26.415 | 0.2945 | 5.969 | 1.6 | 87.4 |
| 153.0 | 4.748 | 33.379 | 26.418 | 0.2992 | 5.953 | 1.6 | 87.1 |



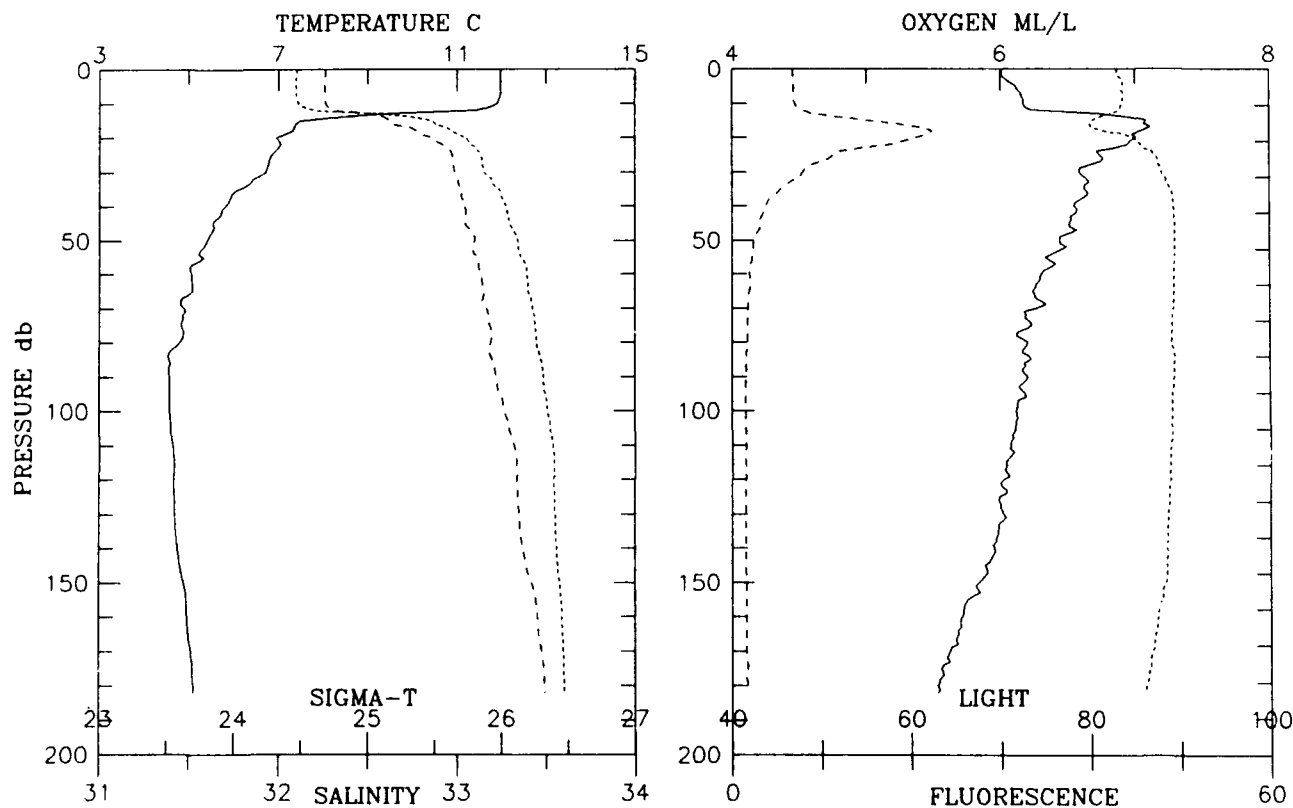
Cruise EN196 Consecutive Station # 200 Depth m:183 Time: 1989-06-11 01:28
 Position: 42° 7.90'N 68° 44.00'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.824 | 32.474 | 24.661 | 0.0000 | 6.124 | 9.5 | 82.4 |
| 10.0 | 11.810 | 32.472 | 24.662 | 0.0323 | 6.146 | 9.9 | 82.5 |
| 20.0 | 9.669 | 32.609 | 25.140 | 0.0639 | 6.701 | 13.3 | 81.6 |
| 30.0 | 6.903 | 32.927 | 25.800 | 0.0866 | 6.762 | 11.7 | 86.6 |
| 40.0 | 5.490 | 32.974 | 26.013 | 0.1075 | 6.959 | 7.8 | 88.7 |
| 50.0 | 5.070 | 33.041 | 26.115 | 0.1266 | 6.538 | 2.7 | 89.6 |
| 60.0 | 4.841 | 33.116 | 26.199 | 0.1445 | 6.360 | 2.0 | 89.5 |
| 70.0 | 4.965 | 33.185 | 26.241 | 0.1619 | 6.210 | 1.8 | 89.1 |
| 80.0 | 4.830 | 33.200 | 26.267 | 0.1790 | 6.159 | 1.7 | 89.1 |
| 90.0 | 4.627 | 33.252 | 26.331 | 0.1956 | 6.141 | 1.6 | 89.0 |
| 100.0 | 4.652 | 33.314 | 26.377 | 0.2117 | 6.094 | 1.6 | 88.9 |
| 110.0 | 4.731 | 33.368 | 26.412 | 0.2275 | 6.032 | 1.4 | 88.7 |
| 120.0 | 4.771 | 33.390 | 26.424 | 0.2430 | 5.960 | 1.4 | 88.5 |
| 130.0 | 4.807 | 33.404 | 26.431 | 0.2585 | 5.893 | 1.5 | 87.8 |
| 140.0 | 4.819 | 33.410 | 26.435 | 0.2740 | 5.873 | 1.5 | 87.9 |
| 150.0 | 4.826 | 33.415 | 26.438 | 0.2894 | 5.851 | 1.5 | 87.9 |
| 160.0 | 4.906 | 33.441 | 26.450 | 0.3048 | 5.800 | 1.5 | 87.3 |
| 168.0 | 4.954 | 33.456 | 26.457 | 0.3170 | 5.715 | 1.5 | 87.2 |



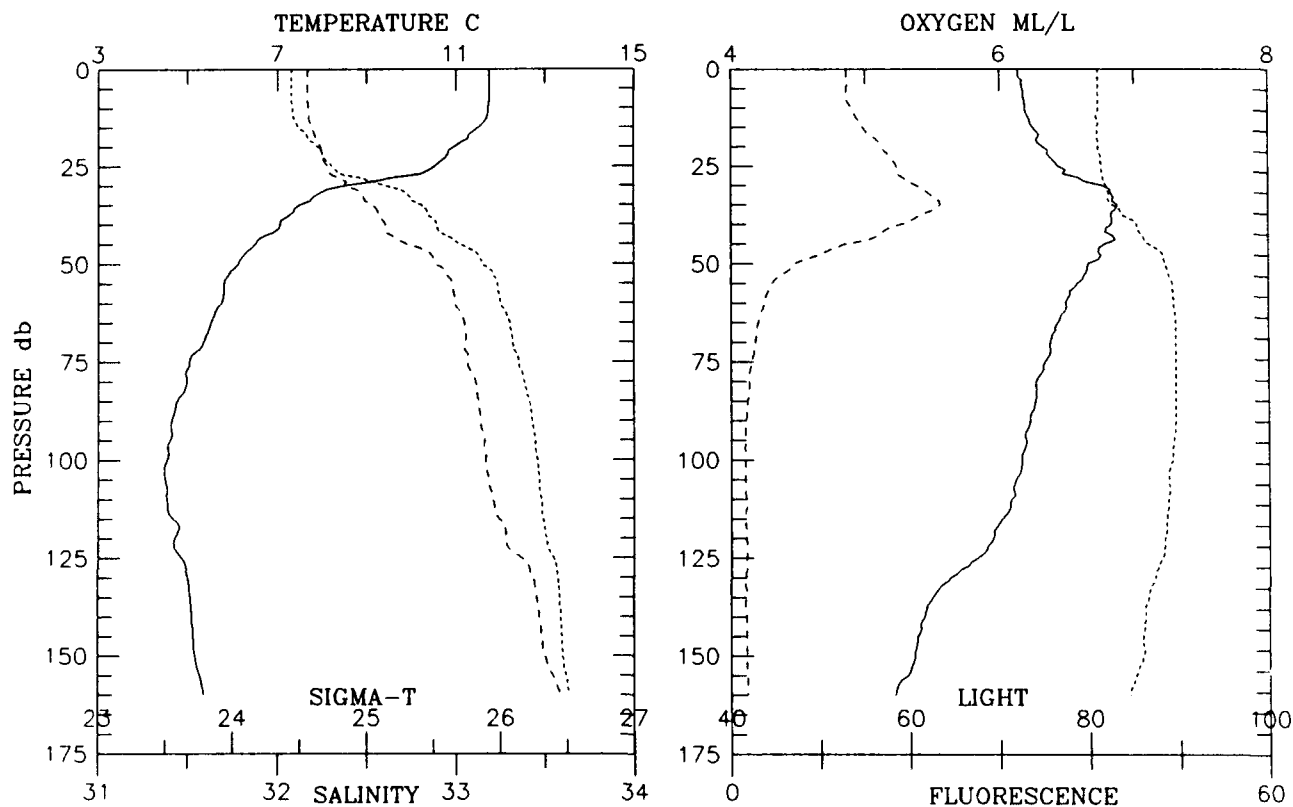
Cruise EN196 Consecutive Station # 201 Depth m:192 Time: 1989-06-11 02:26
 Position: 42° 5.70'N 68° 37.00'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.978 | 32.263 | 24.469 | 0.0000 | 6.011 | 6.8 | 83.0 |
| 10.0 | 11.909 | 32.262 | 24.481 | 0.0341 | 6.169 | 7.0 | 83.5 |
| 20.0 | 6.939 | 32.862 | 25.743 | 0.0608 | 7.004 | 20.7 | 84.8 |
| 30.0 | 6.720 | 32.961 | 25.870 | 0.0819 | 6.584 | 7.9 | 87.9 |
| 40.0 | 5.805 | 33.045 | 26.032 | 0.1017 | 6.545 | 3.8 | 89.2 |
| 50.0 | 5.404 | 33.099 | 26.122 | 0.1206 | 6.436 | 2.4 | 89.4 |
| 60.0 | 5.073 | 33.135 | 26.189 | 0.1386 | 6.304 | 1.9 | 89.3 |
| 70.0 | 4.904 | 33.167 | 26.233 | 0.1561 | 6.262 | 1.8 | 89.2 |
| 80.0 | 4.788 | 33.190 | 26.264 | 0.1732 | 6.198 | 1.7 | 89.0 |
| 90.0 | 4.569 | 33.222 | 26.313 | 0.1899 | 6.201 | 1.5 | 89.3 |
| 100.0 | 4.580 | 33.262 | 26.343 | 0.2063 | 6.110 | 1.5 | 89.1 |
| 110.0 | 4.650 | 33.319 | 26.381 | 0.2224 | 6.070 | 1.5 | 88.9 |
| 120.0 | 4.677 | 33.337 | 26.393 | 0.2382 | 6.016 | 1.5 | 88.8 |
| 130.0 | 4.695 | 33.347 | 26.399 | 0.2540 | 6.018 | 1.5 | 88.6 |
| 140.0 | 4.756 | 33.369 | 26.410 | 0.2697 | 5.947 | 1.5 | 88.4 |
| 150.0 | 4.898 | 33.416 | 26.431 | 0.2853 | 5.831 | 1.6 | 88.3 |
| 160.0 | 4.965 | 33.450 | 26.450 | 0.3007 | 5.703 | 1.6 | 87.4 |
| 170.0 | 5.051 | 33.475 | 26.461 | 0.3160 | 5.616 | 1.6 | 86.8 |
| 180.0 | 5.107 | 33.491 | 26.467 | 0.3312 | 5.527 | 1.7 | 86.1 |
| 182.0 | 5.111 | 33.493 | 26.468 | 0.3342 | 5.525 | 1.6 | 86.0 |



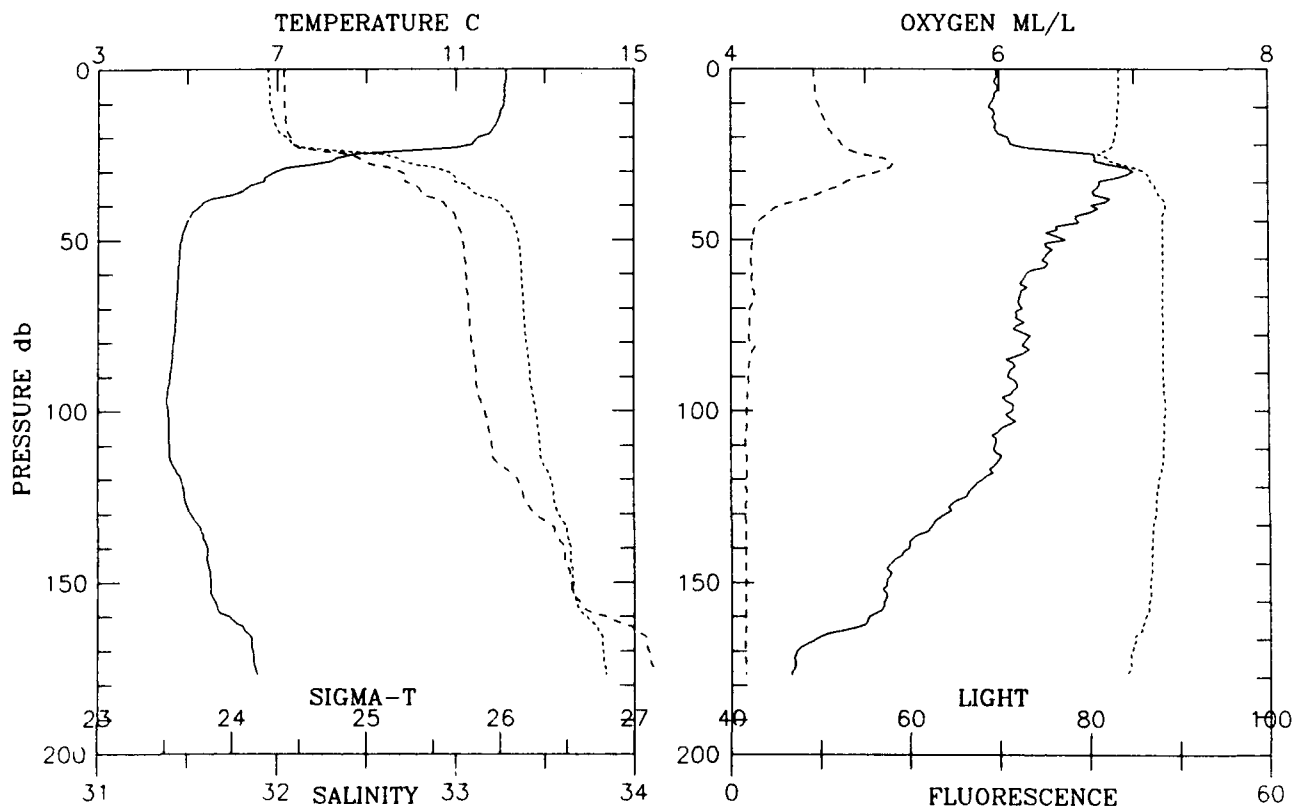
Cruise EN196 Consecutive Station # 202 Depth m:172 Time: 1989-06-11 03:38
 Position: 42° 0.60'N 68° 28.20'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/L) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.745 | 32.171 | 24.440 | 0.0000 | 6.139 | 12.9 | 81.0 |
| 10.0 | 11.725 | 32.173 | 24.445 | 0.0344 | 6.189 | 13.6 | 81.0 |
| 20.0 | 10.955 | 32.242 | 24.637 | 0.0682 | 6.322 | 16.8 | 81.0 |
| 30.0 | 8.518 | 32.373 | 25.135 | 0.0992 | 6.765 | 20.7 | 81.9 |
| 40.0 | 7.065 | 32.606 | 25.525 | 0.1246 | 6.829 | 19.1 | 85.3 |
| 50.0 | 6.137 | 32.882 | 25.862 | 0.1470 | 6.654 | 7.0 | 88.5 |
| 60.0 | 5.749 | 32.996 | 26.000 | 0.1669 | 6.492 | 3.7 | 89.4 |
| 70.0 | 5.354 | 33.052 | 26.091 | 0.1858 | 6.374 | 2.7 | 89.6 |
| 80.0 | 4.976 | 33.110 | 26.180 | 0.2040 | 6.267 | 2.0 | 89.6 |
| 90.0 | 4.653 | 33.136 | 26.235 | 0.2215 | 6.226 | 1.6 | 89.6 |
| 100.0 | 4.540 | 33.167 | 26.273 | 0.2386 | 6.160 | 1.6 | 89.2 |
| 110.0 | 4.543 | 33.207 | 26.304 | 0.2553 | 6.086 | 1.7 | 88.7 |
| 120.0 | 4.708 | 33.279 | 26.343 | 0.2718 | 5.946 | 1.6 | 88.3 |
| 130.0 | 5.008 | 33.428 | 26.428 | 0.2877 | 5.629 | 1.7 | 87.2 |
| 140.0 | 5.100 | 33.468 | 26.449 | 0.3031 | 5.437 | 1.7 | 86.2 |
| 150.0 | 5.171 | 33.497 | 26.464 | 0.3183 | 5.366 | 1.7 | 85.9 |
| 160.0 | 5.362 | 33.582 | 26.509 | 0.3333 | 5.219 | 1.8 | 84.4 |



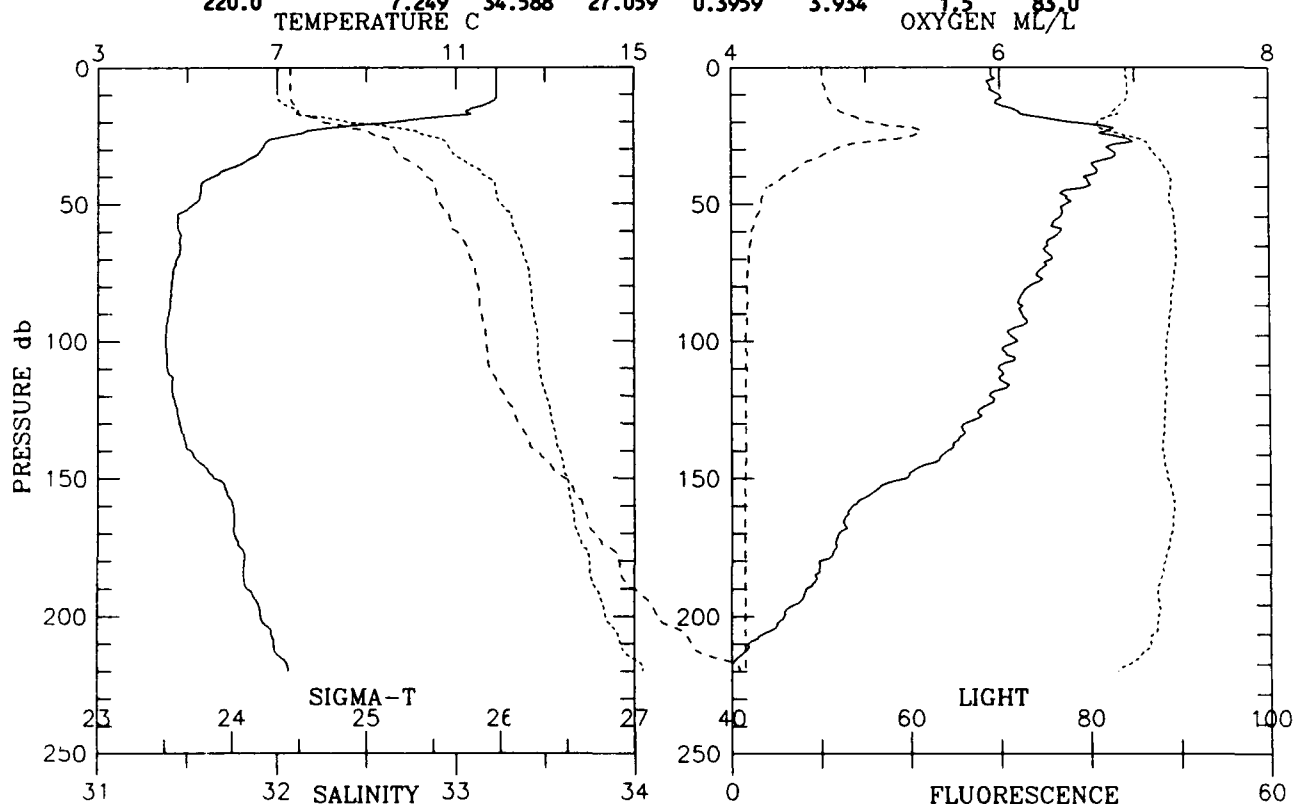
Cruise EN196 Consecutive Station # 203 Depth m:185 Time: 1989-06-11 04:47
 Position: 41° 55.40'N 68° 19.63'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OX'GEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 12.131 | 32.038 | 24.266 | 0.0000 | 5.983 | 9.3 | 83.3 |
| 10.0 | 12.077 | 32.041 | 24.278 | 0.0360 | 5.940 | 9.7 | 83.3 |
| 20.0 | 11.504 | 32.074 | 24.409 | 0.0717 | 6.062 | 11.7 | 82.9 |
| 30.0 | 6.964 | 32.689 | 25.604 | 0.1010 | 6.993 | 16.5 | 86.2 |
| 40.0 | 5.296 | 32.942 | 26.011 | 0.1225 | 6.678 | 5.5 | 88.5 |
| 50.0 | 4.864 | 33.035 | 26.133 | 0.1411 | 6.489 | 2.4 | 88.2 |
| 60.0 | 4.792 | 33.058 | 26.159 | 0.1591 | 6.201 | 2.4 | 88.2 |
| 70.0 | 4.753 | 33.070 | 26.172 | 0.1770 | 6.171 | 2.1 | 88.1 |
| 80.0 | 4.696 | 33.088 | 26.193 | 0.1948 | 6.188 | 2.1 | 88.3 |
| 90.0 | 4.615 | 33.115 | 26.224 | 0.2123 | 6.061 | 1.9 | 88.2 |
| 100.0 | 4.569 | 33.160 | 26.264 | 0.2295 | 6.091 | 1.7 | 88.4 |
| 110.0 | 4.597 | 33.203 | 26.295 | 0.2463 | 5.964 | 1.6 | 88.2 |
| 120.0 | 4.867 | 33.345 | 26.378 | 0.2628 | 5.870 | 1.7 | 87.7 |
| 130.0 | 5.078 | 33.447 | 26.436 | 0.2785 | 5.589 | 1.6 | 87.3 |
| 140.0 | 5.442 | 33.610 | 26.523 | 0.2934 | 5.315 | 1.6 | 86.8 |
| 150.0 | 5.518 | 33.646 | 26.541 | 0.3080 | 5.154 | 1.6 | 86.7 |
| 160.0 | 5.939 | 33.836 | 26.641 | 0.3223 | 5.023 | 1.5 | 86.1 |
| 170.0 | 6.460 | 34.079 | 26.766 | 0.3350 | 4.484 | 1.5 | 84.6 |
| 177.0 | 6.562 | 34.124 | 26.788 | 0.3437 | 4.444 | 1.6 | 83.8 |



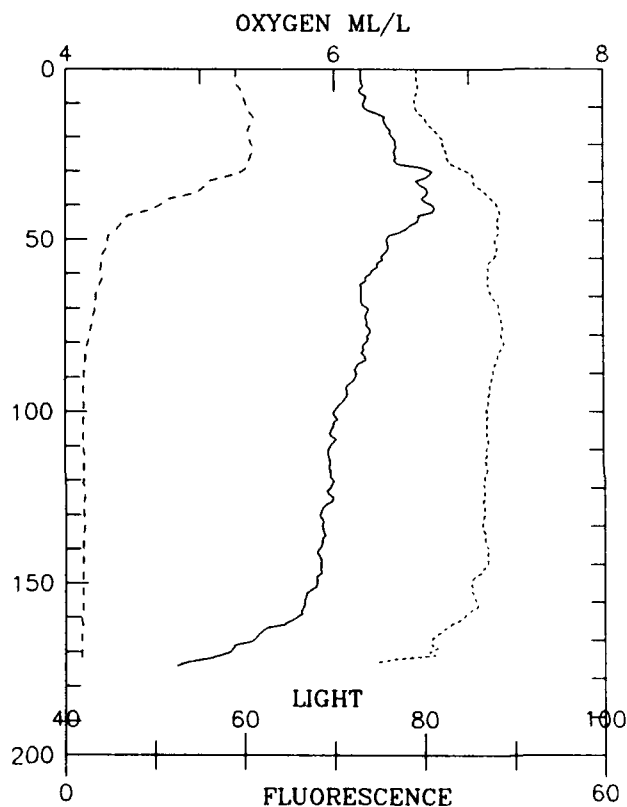
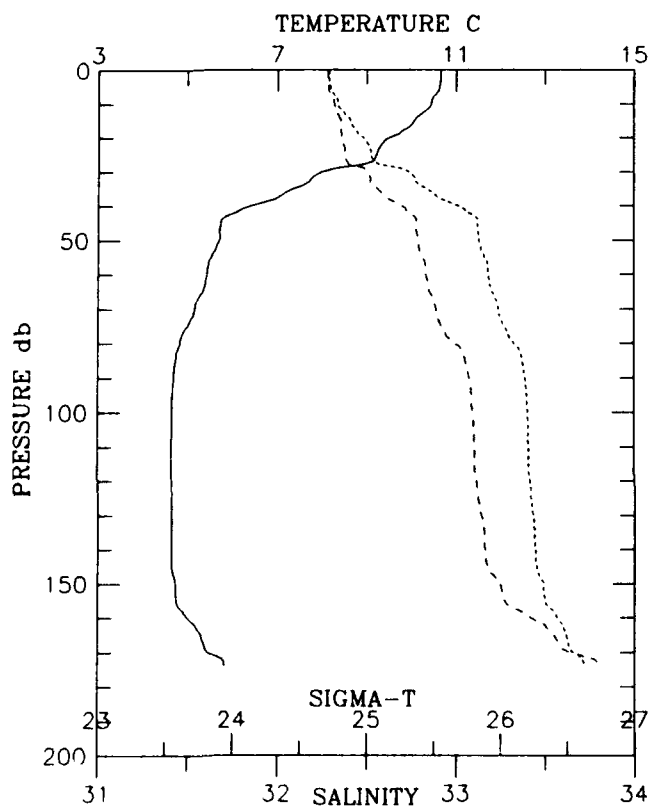
Cruise EN196 Consecutive Station # 204 Depth m:222 Time: 1989-06-11 05:33
 Position: 41° 52.99'N 68° 16.96'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E 11.915 | 32.075 | 24.334 | 0.0000 | 5.937 | 10.2 | 84.1 |
| 10.0 | 11.914 | 32.074 | 24.334 | 0.0354 | 5.995 | 10.8 | 84.2 |
| 20.0 | 9.613 | 32.254 | 24.872 | 0.0693 | 6.513 | 15.6 | 80.9 |
| 30.0 | 6.646 | 32.659 | 25.622 | 0.0944 | 6.816 | 11.6 | 86.8 |
| 40.0 | 5.557 | 32.836 | 25.896 | 0.1162 | 6.621 | 5.8 | 88.9 |
| 50.0 | 5.140 | 32.912 | 26.005 | 0.1360 | 6.491 | 3.3 | 89.0 |
| 60.0 | 4.815 | 33.004 | 26.113 | 0.1548 | 6.450 | 2.2 | 89.5 |
| 70.0 | 4.753 | 33.084 | 26.184 | 0.1728 | 6.382 | 1.9 | 89.6 |
| 80.0 | 4.640 | 33.125 | 26.229 | 0.1903 | 6.214 | 1.7 | 89.2 |
| 90.0 | 4.582 | 33.143 | 26.249 | 0.2075 | 6.163 | 1.7 | 88.9 |
| 100.0 | 4.512 | 33.171 | 26.278 | 0.2244 | 6.127 | 1.6 | 88.5 |
| 110.0 | 4.556 | 33.190 | 26.289 | 0.2413 | 5.982 | 1.7 | 88.3 |
| 120.0 | 4.682 | 33.272 | 26.341 | 0.2578 | 5.919 | 1.6 | 88.4 |
| 130.0 | 4.830 | 33.351 | 26.387 | 0.2739 | 5.731 | 1.6 | 88.2 |
| 140.0 | 5.075 | 33.456 | 26.443 | 0.2895 | 5.604 | 1.6 | 88.0 |
| 150.0 | 5.597 | 33.605 | 26.500 | 0.3047 | 5.296 | 1.5 | 88.5 |
| 160.0 | 6.010 | 33.709 | 26.531 | 0.3195 | 4.898 | 1.4 | 89.2 |
| 170.0 | 6.046 | 33.773 | 26.577 | 0.3339 | 4.792 | 1.4 | 88.9 |
| 180.0 | 6.273 | 33.908 | 26.656 | 0.3477 | 4.649 | 1.4 | 88.2 |
| 190.0 | 6.338 | 33.990 | 26.711 | 0.3610 | 4.550 | 1.5 | 87.4 |
| 200.0 | 6.640 | 34.127 | 26.780 | 0.3736 | 4.385 | 1.5 | 87.5 |
| 210.0 | 6.935 | 34.318 | 26.891 | 0.3854 | 4.120 | 1.5 | 86.6 |
| 220.0 | 7.249 | 34.588 | 27.059 | 0.3959 | 3.934 | 1.5 | 83.0 |



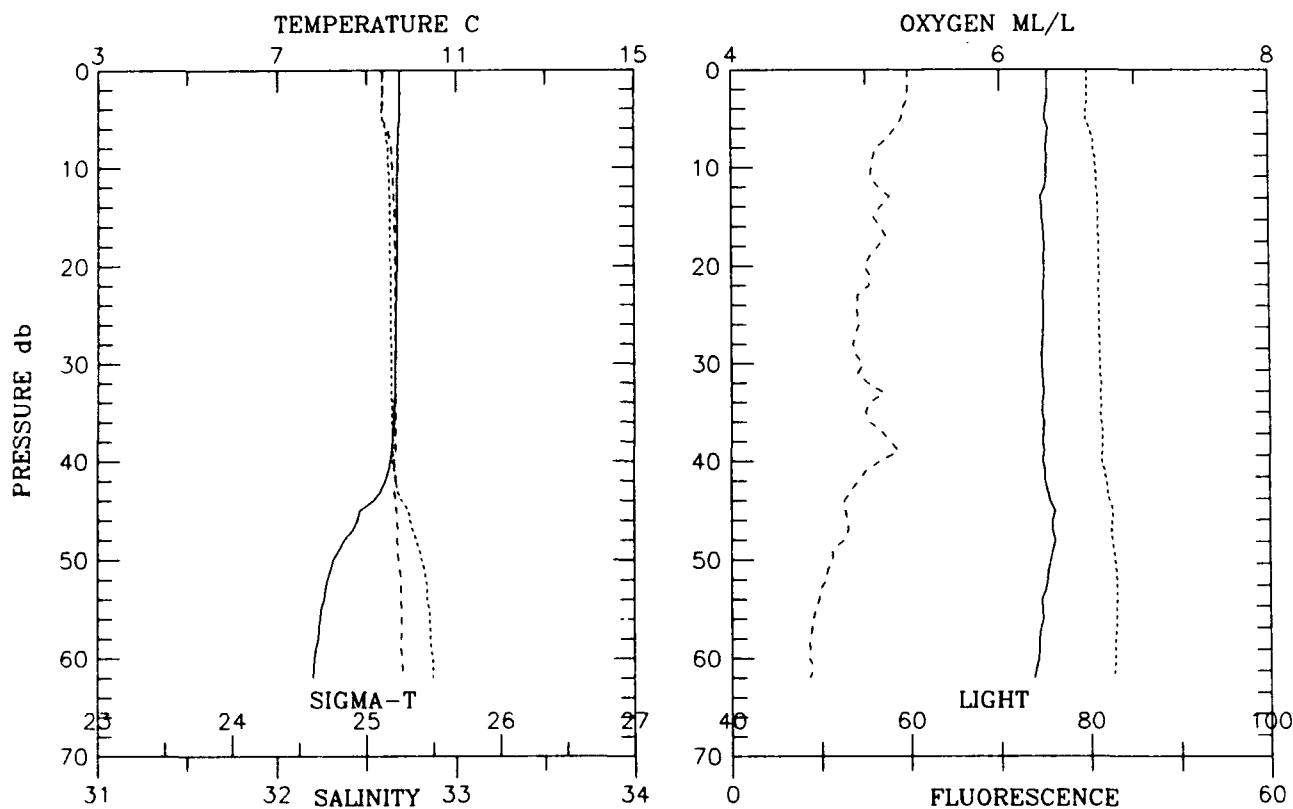
Cruise EN196 Consecutive Station # 205 Depth m:175 Time: 1989-06-11 07:00
 Position: 41° 50.67'N 68° 12.98'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE Interp (d-bars) | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|-----------------------------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 10.660 | 32.281 | 24.719 | 0.0000 | 6.198 | 19.0 |
| 10.0 | | 10.446 | 32.317 | 24.783 | 0.0315 | 6.216 | 20.1 |
| 20.0 | | 9.509 | 32.360 | 24.971 | 0.0618 | 6.431 | 20.5 |
| 30.0 | | 8.000 | 32.503 | 25.313 | 0.0903 | 6.723 | 19.8 |
| 40.0 | | 6.420 | 32.697 | 25.681 | 0.1150 | 6.735 | 10.5 |
| 50.0 | | 5.714 | 32.787 | 25.839 | 0.1363 | 6.389 | 4.7 |
| 60.0 | | 5.437 | 32.831 | 25.906 | 0.1570 | 6.270 | 4.1 |
| 70.0 | | 5.161 | 32.887 | 25.983 | 0.1770 | 6.251 | 3.2 |
| 80.0 | | 4.833 | 32.988 | 26.099 | 0.1962 | 6.233 | 2.5 |
| 90.0 | | 4.687 | 33.075 | 26.184 | 0.2142 | 6.156 | 2.1 |
| 100.0 | | 4.659 | 33.094 | 26.202 | 0.2319 | 5.998 | 2.0 |
| 110.0 | | 4.652 | 33.105 | 26.211 | 0.2494 | 5.968 | 2.0 |
| 120.0 | | 4.655 | 33.115 | 26.219 | 0.2669 | 5.991 | 2.0 |
| 130.0 | | 4.653 | 33.141 | 26.240 | 0.2843 | 5.885 | 2.0 |
| 140.0 | | 4.640 | 33.163 | 26.258 | 0.3014 | 5.881 | 1.9 |
| 150.0 | | 4.734 | 33.249 | 26.317 | 0.3183 | 5.865 | 1.9 |
| 160.0 | | 4.998 | 33.415 | 26.419 | 0.3346 | 5.715 | 1.8 |
| 170.0 | | 5.459 | 33.633 | 26.538 | 0.3496 | 5.222 | 1.8 |
| 174.0 | | 5.833 | 33.798 | 26.624 | 0.3552 | 4.829 | 2.0 |



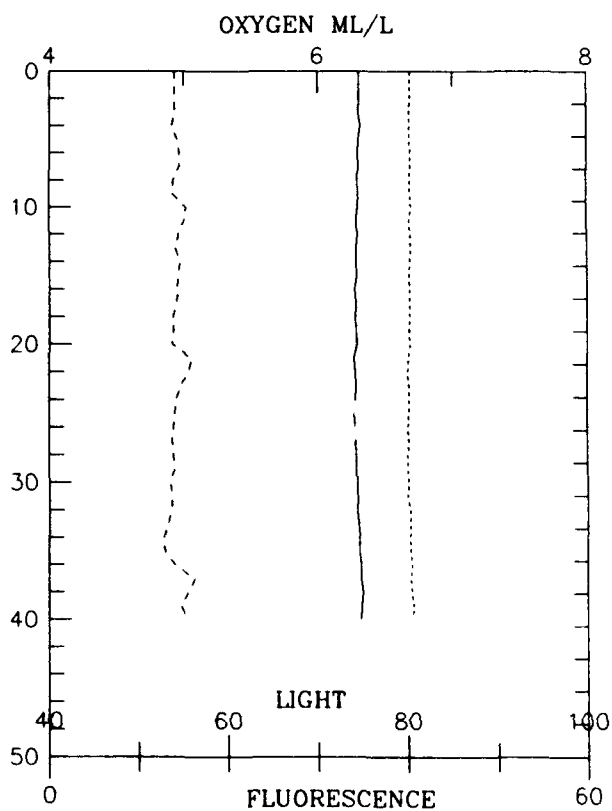
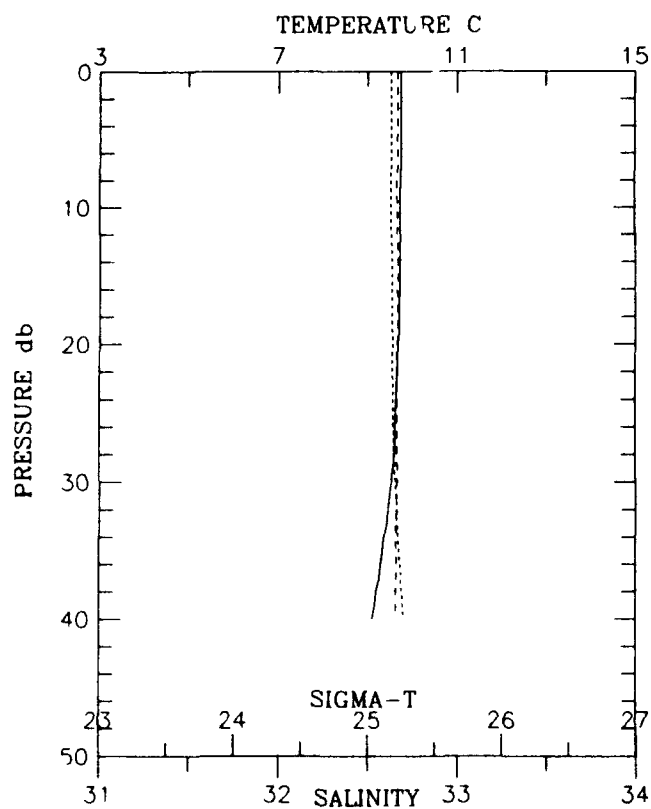
Cruise EN196 Consecutive Station # 206 Depth m:69 Time: 1989-06-11 09:03
 Position: 41° 46.20'N 68° 11.10'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.734 | 32.592 | 25.116 | 0.0000 | 6.354 | 19.8 | 79.8 |
| 5.0 | | 9.735 | 32.588 | 25.113 | 0.0140 | 6.338 | 19.1 | 79.6 |
| 10.0 | | 9.691 | 32.644 | 25.164 | 0.0278 | 6.346 | 15.7 | 80.7 |
| 15.0 | | 9.684 | 32.656 | 25.174 | 0.0415 | 6.311 | 15.9 | 81.0 |
| 20.0 | | 9.679 | 32.658 | 25.177 | 0.0552 | 6.326 | 14.9 | 81.0 |
| 25.0 | | 9.658 | 32.659 | 25.181 | 0.0689 | 6.321 | 14.1 | 81.0 |
| 30.0 | | 9.640 | 32.660 | 25.184 | 0.0825 | 6.308 | 14.7 | 81.1 |
| 35.0 | | 9.612 | 32.660 | 25.189 | 0.0962 | 6.307 | 15.0 | 81.1 |
| 40.0 | | 9.534 | 32.656 | 25.199 | 0.1098 | 6.318 | 16.5 | 81.3 |
| 45.0 | | 8.857 | 32.668 | 25.315 | 0.1232 | 6.406 | 12.7 | 82.5 |
| 50.0 | | 8.258 | 32.677 | 25.413 | 0.1361 | 6.371 | 11.2 | 82.7 |
| 55.0 | | 7.983 | 32.698 | 25.469 | 0.1485 | 6.307 | 9.4 | 82.8 |
| 60.0 | | 7.831 | 32.698 | 25.491 | 0.1608 | 6.278 | 8.6 | 82.7 |
| 62.0 | | 7.805 | 32.700 | 25.496 | 0.1657 | 6.245 | 8.6 | 82.5 |



Cruise EN196 Consecutive Station # 207 Depth m:50 Time: 1989-06-11 09:58
 Position: 41° 44.00'N 68° 8.20'W Depth Deck Offset: -0.10 Fish 1

| PRESSURE (d-bars) | Interp | TEMP (deg C) | SALINITY (0/00) | SIGMA-T | DELTA-D | OXYGEN (ml/l) | CHANNELA (%fluor) | CHANNELB (%light) |
|----------------------|--------|-----------------|--------------------|---------|---------|------------------|----------------------|----------------------|
| 0.0 | E | 9.732 | 32.667 | 25.175 | 0.0000 | 6.308 | 14.0 | 80.3 |
| 5.0 | | 9.733 | 32.665 | 25.173 | 0.0137 | 6.300 | 14.3 | 80.2 |
| 10.0 | | 9.730 | 32.666 | 25.174 | 0.0274 | 6.295 | 15.3 | 80.4 |
| 15.0 | | 9.715 | 32.667 | 25.178 | 0.0411 | 6.289 | 14.4 | 80.1 |
| 20.0 | | 9.668 | 32.665 | 25.184 | 0.0547 | 6.285 | 13.7 | 80.2 |
| 25.0 | | 9.620 | 32.661 | 25.189 | 0.0684 | 6.269 | 14.0 | 80.1 |
| 30.0 | | 9.524 | 32.661 | 25.204 | 0.0820 | 6.287 | 13.5 | 80.0 |
| 35.0 | | 9.333 | 32.658 | 25.232 | 0.0955 | 6.307 | 12.9 | 80.3 |
| 40.0 | | 9.105 | 32.661 | 25.271 | 0.1088 | 6.319 | 15.4 | 80.4 |



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| 16. Abstract (Limit: 200 words) CTD and acoustic Doppler current profiler (ADCP) observations were made in the Great South Channel (GSC) off the New England coast during R/V <i>Endeavor</i> cruise EN196 May 18 to June 12, 1989 as part of the South Channel Ocean Productivity EXperiment (SCOPEX). These observations were obtained using several sampling plans –a series of small-scale surveys in support of biological sampling and a large-scale survey of five cross-channel transects extending from Nantucket Shoals and the coast of Cape Cod to Georges Bank. The maximum sampling depth at each station was within a few meters of the bottom. The primary objectives of the hydrographic measurement program were to (a) observe and characterize the temperature, salinity, density, oxygen, fluorescence and light transmission fields and their spatial variability in the Great South Channel off the New England coast, (b) resolve the low salinity surface plume-like structure usually observed east of Cape Cod in late spring, (c) define the front or boundary between the vertically well-mixed water over Nantucket Shoals, the GSC, Georges Bank, and the stratified water in the deeper southwestern Gulf of Maine, and (d) characterize water properties in regions of enhanced biological productivity. This report presents a summary in graphic and tabular form of the hydrographic observations made during cruise EN196 on the R/V <i>Endeavor</i> . | | | |
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